



Expertise in chemistry and catalysis

Contact Information

contact@novecal.com




+33 6 1922 0943

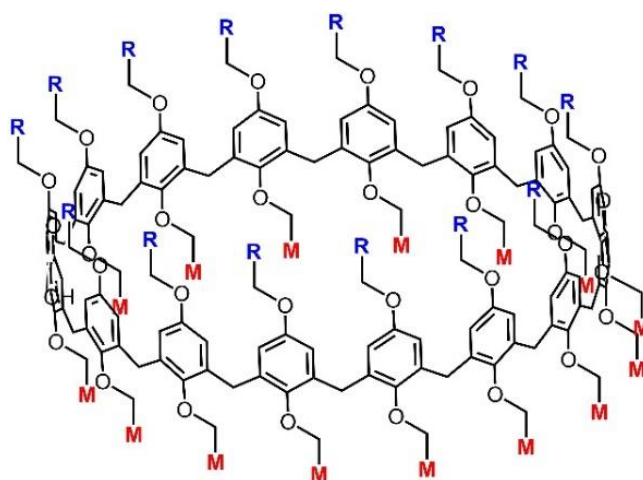
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Product catalogue – NOVECAL

Catalysts and ligands

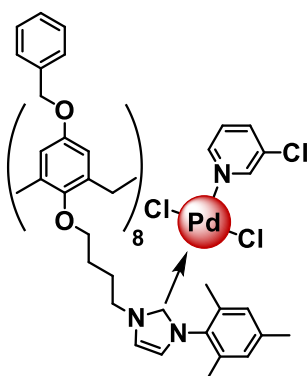


| | | |
|---|---|----------|
|  | Supported catalysts | 3 |
|  | Supported ligands | 5 |
|  | Carbene precursors (imidazoles, imidazoliums...) | 7 |



Supported catalysts

Supported Pd-NHC catalyst NOVECAT G1-01

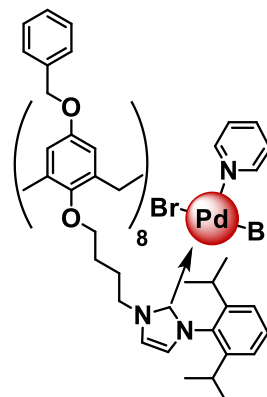


$C_{280}H_{288}Cl_{24}N_{24}O_{16}Pd_8$, $M = 5947.67 \text{ g}\cdot\text{mol}^{-1}$
Suzuki coupling

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECAT G1-01 | 1g | 250 |

Please contact us for higher quantities.

Supported Pd-NHC catalyst NOVECAT G1-02

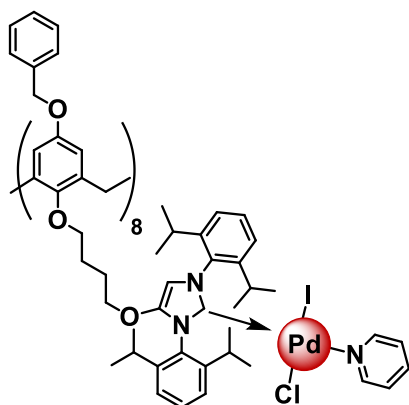


$C_{304}H_{344}Br_{16}N_{24}O_{16}Pd_8$, $M = 6720.07 \text{ g}\cdot\text{mol}^{-1}$
Suzuki coupling with bulky substrates

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECAT G1-02 | 1g | 310 |

Please contact us for higher quantities.

Supported Pd-NHC catalyst NOVECAT G2-01

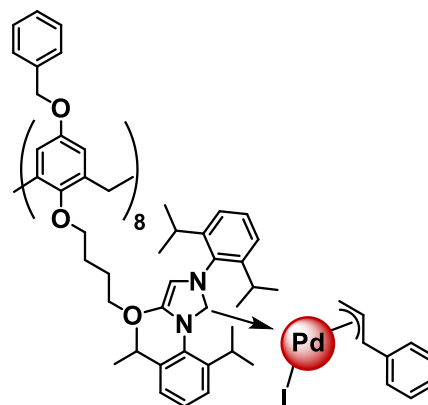


$C_{400}H_{472}N_{24}O_{24}Pd_8Cl_8I_8$, $M = 8150.52 \text{ g}\cdot\text{mol}^{-1}$
Suzuki coupling with very bulky substrates

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECAT G2-01 | 1g | 430 |

Please contact us for higher quantities.

Supported Pd-NHC catalyst NOVECAT G2-02



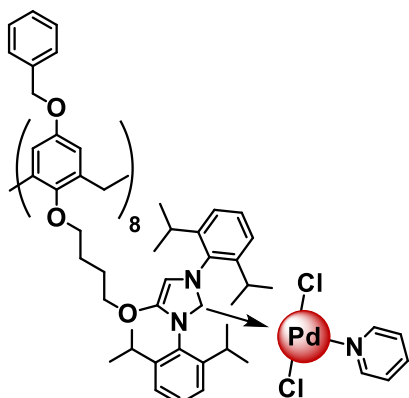
$C_{432}H_{504}Pd_8I_8N_{16}O_{24}$, $M = 8171.47 \text{ g}\cdot\text{mol}^{-1}$
Buchwald coupling

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECAT G2-02 | 1g | 450 |

Please contact us for higher quantities.

Supported catalysts

Supported Pd-NHC catalyst NOVECOT G2-03

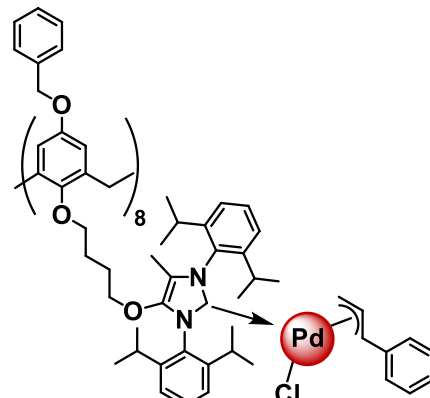


$C_{400}H_{472}N_{24}O_{24}Pd_8Cl_{16}$, $M = 7418.88 \text{ g}\cdot\text{mol}^{-1}$
Suzuki coupling with challenging aryl halides

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECOT G2-03 | 1g | 470 |

Please contact us for higher quantities.

Supported Pd-NHC catalyst NOVECOT G3-01

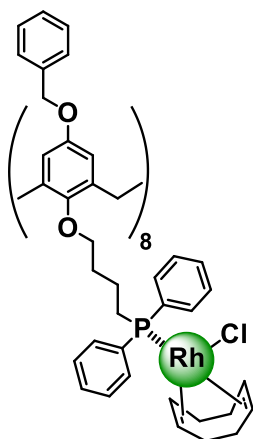


$C_{440}H_{520}N_{16}O_{24}Pd_8Cl_8$, $M = 7552.05 \text{ g}\cdot\text{mol}^{-1}$
Buchwald coupling with challenging amines

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECOT G3-01 | 1g | 500 |

Please contact us for higher quantities.

Supported Rh-phosphine catalyst NOVECOT G1-03

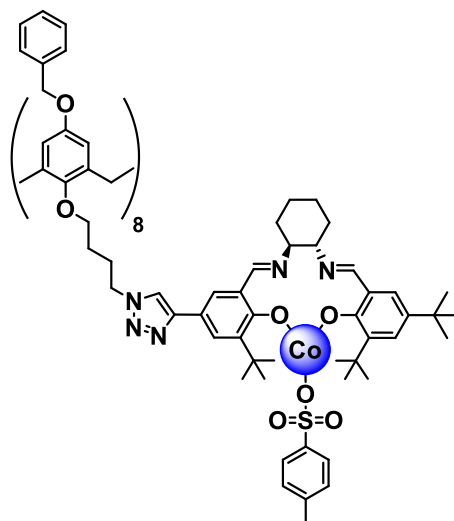


$C_{304}H_{328}Cl_8O_{16}P_8Rh_8$, $M = 5592.59 \text{ g}\cdot\text{mol}^{-1}$
Hydrogenation – in progress

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECOT G1-03 | 1g | 500 |

Please contact us for higher quantities.

Supported Co-salen catalyst NOVECOT G1-04



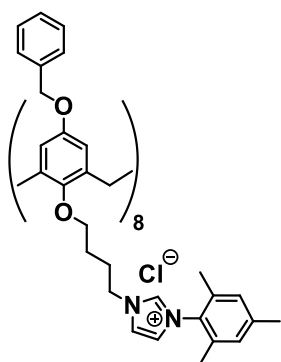
$C_{472}H_{560}N_{40}O_{56}S_8Co_8$, $M = 8417.84 \text{ g}\cdot\text{mol}^{-1}$
Asymmetric epoxide opening

| Reference | Packing unit | Price (€) |
|---------------|--------------|-----------|
| NOVECOT G1-04 | 1g | 500 |

Please contact us for higher quantities.

Supported ligands

Bz-calix[8]-C4- mesitylimidazolium-Cl – CL01

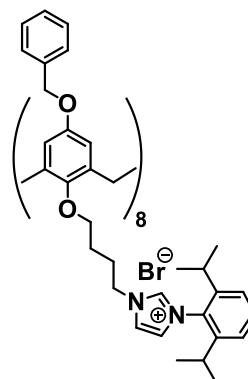


$C_{240}H_{264}Cl_8N_{16}O_{16}$, $M = 3912.45 \text{ g}\cdot\text{mol}^{-1}$

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| CL01-1 | 1g | 180 |

Please contact us for higher quantities.

Bz-calix[8]-C4- iPr₂Ph-imidazolium-Br – CL02

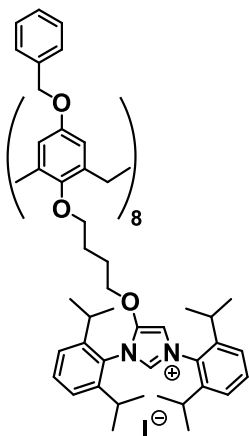


$C_{264}H_{312}Br_8N_{16}O_{16}$, $M = 4604.73 \text{ g}\cdot\text{mol}^{-1}$

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| CL02-1 | 1g | 190 |

Please contact us for higher quantities.

Bz-calix[8]-C4- [bis(iPr₂Ph)-imidazolium-I] CL05

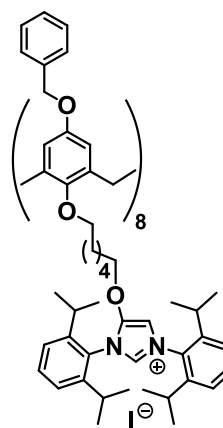


$C_{360}H_{440}I_8N_{16}O_{24}$, $M = 6390.80 \text{ g}\cdot\text{mol}^{-1}$

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| CL05-1 | 1g | 230 |

Please contact us for higher quantities.

Bz-calix[8]-C6- [bis(iPr₂Ph)-imidazolium-I] CL06



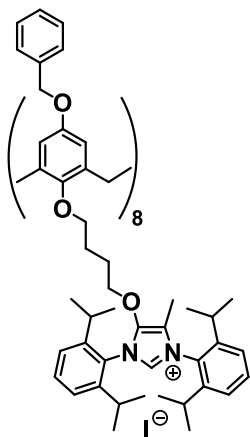
$C_{376}H_{472}I_8N_{16}O_{24}$, $M = 6615.24 \text{ g}\cdot\text{mol}^{-1}$

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| CL06-1 | 1g | 230 |

Please contact us for higher quantities.

Supported ligands

4-[Bz-calix[8]-C4]-5-methyl-1,3-[bis(iPr₂Ph)]-imidazolium-I CL07

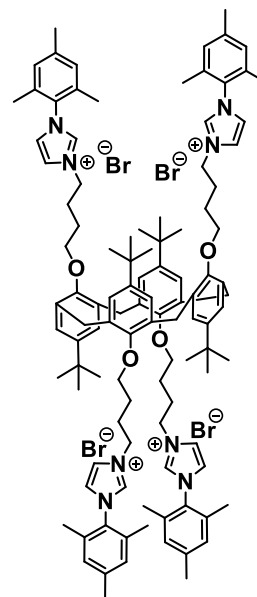


C₃₆₈H₄₅₆I₈N₁₆O₂₄, M= 6503.02 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| CL07-1 | 1g | 250 |

Please contact us for higher quantities.

tBu-calix[4]-C4-mesitylimidazolium-Br (1,3-alternate) – FC406

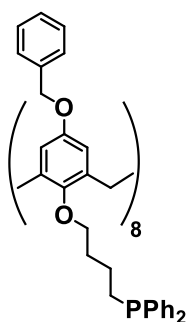


C₁₀₈H₁₄₀Br₄N₈O₄, M= 1933.98 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| FC406-1 | 1g | 200 |

Please contact us for higher quantities.

Bz-calix[8]-C4-PPh₂ CL04



C₂₃₂H₂₁₆O₁₆P₈, M= 3620.27 g.mol⁻¹

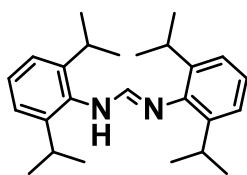
| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| CL04-1 | 1g | 190 |

Please contact us for higher quantities.

Carbene precursors

N,N'-Bis(*i*Pr₂Ph)-formamidine

L10

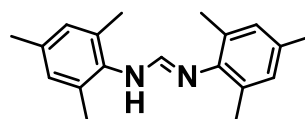


C₂₅H₃₆N₂, M= 364.58 g.mol⁻¹
CAS: 581776-24-1

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L10-5 | 5g | 150 |
| L10-25 | 25g | 400 |
| L10-100 | 100g | 830 |
| L10-500 | 500g | 2000 |

N,N'-Bis(mesityl)-formamidine

L11

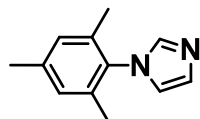


C₁₉H₂₄N₂, M= 280.42 g.mol⁻¹
CAS: 75105-48-5

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L11-5 | 5g | 130 |
| L11-25 | 25g | 350 |
| L11-100 | 100g | 780 |
| L11-500 | 500g | 1800 |

Mesitylimidazole

L01

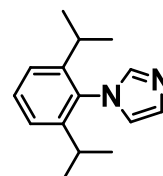


C₁₂H₁₄N₂, M= 186.26 g.mol⁻¹
CAS: 25364-44-7

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L01-1 | 1g | 70 |
| L01-5 | 5g | 315 |
| L01-10 | 10g | 550 |
| L01-50 | 50g | 1300 |

Diisopropylphenylimidazole

L02

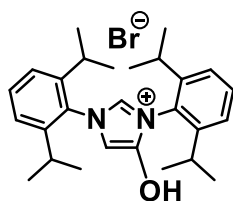


C₁₅H₂₀N₂, M= 228.34 g.mol⁻¹
CAS: 25364-47-0

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L02-1 | 1g | 80 |
| L02-5 | 5g | 350 |
| L02-10 | 10g | 580 |
| L02-50 | 50g | 1600 |

Carbene precursors

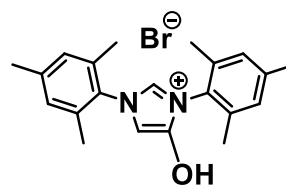
**4-Hydroxy-
bis(iPr₂Ph)-imidazolium-Br
L03**



C₂₇H₃₇BrN₂O, M= 485.51 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L03-1 | 1g | 90 |
| L03-5 | 5g | 300 |
| L03-10 | 10g | 490 |
| L03-50 | 50g | 1560 |

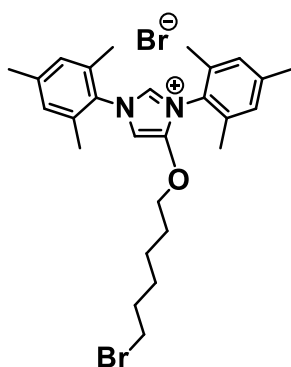
**4-Hydroxy-
bis(mesityl)-imidazolium-Br
L04**



C₂₁H₂₅BrN₂O, M= 401.35 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L04-1 | 1g | 80 |
| L04-5 | 5g | 250 |
| L04-10 | 10g | 450 |
| L04-50 | 50g | 1360 |

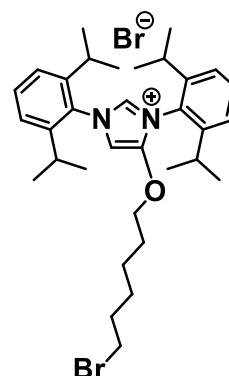
**4-(6-Bromohexyloxy)-
bis(mesityl)-imidazolium-Br
L05**



C₂₇H₃₆Br₂N₂O, M= 564.41 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L05-1 | 1g | 140 |
| L05-5 | 5g | 490 |
| L05-10 | 10g | 830 |
| L05-50 | 50g | 2310 |

**4-(6-Bromohexyloxy)-
bis(iPr₂Ph)-imidazolium-Br
L06**

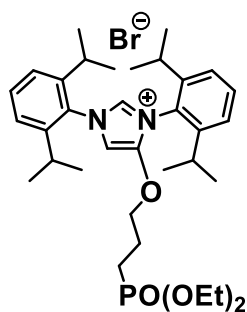


C₃₃H₄₈Br₂N₂O, M= 648.57 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L06-1 | 1g | 130 |
| L06-5 | 5g | 525 |
| L06-10 | 10g | 920 |
| L06-50 | 50g | 2630 |

Carbene precursors

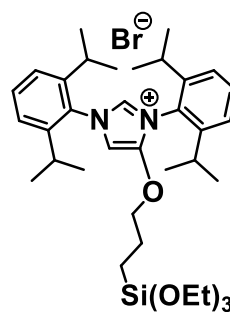
4-(3-Diethoxyphosphoryl-propyloxy)-bis(iPr₂Ph)-imidazolium-Br – L07



C₃₄H₅₂BrN₂O₄P, M= 663.68 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L07-1 | 1g | 140 |
| L07-5 | 5g | 465 |
| L07-10 | 10g | 795 |
| L07-50 | 50g | 1300 |

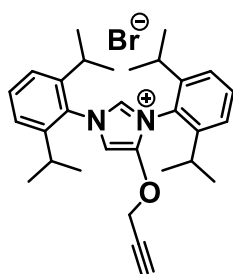
4-(3-Triethoxysilyl-propyloxy)-bis(iPr₂Ph)-imidazolium-Br L08



C₃₆H₅₇BrN₂O₄Si, M= 689.85 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L08-1 | 1g | 135 |
| L08-5 | 5g | 460 |
| L08-10 | 10g | 780 |
| L08-50 | 50g | 2050 |

4-(Prop-2-ynoxy)-bis(iPr₂Ph)-imidazolium-Br L09



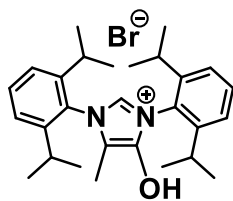
C₃₀H₃₉BrN₂O, M= 523.56 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L09-1 | 1g | 120 |
| L09-5 | 5g | 420 |
| L09-10 | 10g | 730 |
| L09-50 | 50g | 1850 |

Carbene precursors

4-Hydroxy-5-methyl- bis(iPr₂Ph)-imidazolium-Br

L13

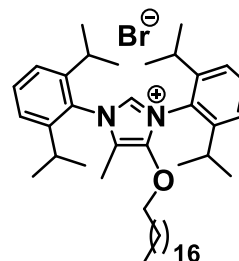


C₂₈H₃₉BrN₂O, M= 499.54 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L13-1 | 1g | 130 |
| L13-5 | 5g | 380 |
| L13-10 | 10g | 590 |
| L13-50 | 50g | 1950 |

4-(Octadecyloxy)-5-methyl- bis(iPr₂Ph)-imidazolium-Br

L14



C₄₆H₇₅BrN₂O, M= 752.02 g.mol⁻¹

| Reference | Packing unit | Price (€) |
|-----------|--------------|-----------|
| L14-1 | 1g | 150 |
| L14-5 | 5g | 490 |
| L14-10 | 10g | 830 |
| L14-50 | 50g | 2150 |