umicore
materials for a better life

Z-selective & stereoretentive Metathesis Catalysts

Bringing precise stereochemical control to olefin metathesis.

Stereocontrolled Metathesis

Unlocking *Z*-selectivity and stereoretention with Grubbs Catalyst® Technologies

Unlock the future of molecular design. *Z*-selective and stereoretentive ruthenium-based metathesis catalysts empower chemists to control olefin geometry with precision.

Z-selective catalysts form *Z*-alkenes with high selectivity, while stereoretentive catalysts preserve the starting olefin's stereochemistry.
Applications include peptide synthesis and stapling, the synthesis of natural products, APIs, fragrances, and advanced optical materials.

These catalysts offer powerful tools for precise control over olefin stereochemistry, driving innovation in modern synthetic chemistry. Their utility has been demonstrated in the synthesis of complex targets, including bioactive macrocycles and structurally constrained peptides.

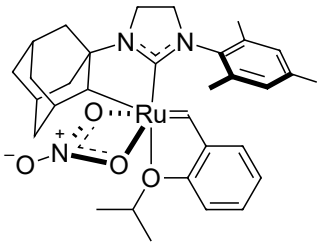
Ready to transform your chemistry?
Discover the power of *Z*-selectivity and stereoretention—where every bond counts!

Learn more about our *Z*-selective and stereoretentive catalysts and visit our dedicated website.

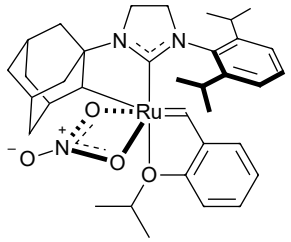
Portfolio

Z-selective catalysts

Hoveyda Grubbs Catalyst®
M2001
CAS no.: 1352916-84-7

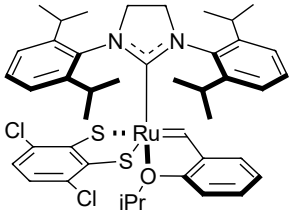


Hoveyda Grubbs Catalyst®
M2002
CAS no.: 1451807-77-4

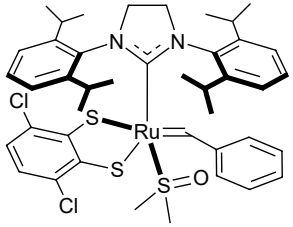


stereoretentive catalysts

Hoveyda Grubbs Catalyst®
M2102
CAS no.: 1865771-19-2



Grubbs Catalyst®
M3002
CAS no.: 2374826-66-9



Take control of the stereochemistry in your metathesis reactions and let's create good chemistry. Together.

For inquiries and additional information please contact

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