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Product Data Sheet

Blocking Group Removal Catalysts

Robust and Cost Effective Deprotection Reactions

Description

BASF's Blocking Group Removal catalysts technology was developed in response to the specific needs of the pharmaceutical and fine chemical marketplace.

Characterized by a unique deposition technology used in conjunction with strict adherence to a narrow range of catalyst supports, BASF's Blocking Group Removal catalysts are designed to achieve significant cost savings in reactions requiring a deprotection step.

BASF's Blocking Group Removal catalysts ensure fast, optimal removal of blocking groups used in organic synthesis.

In addition to high catalytic activity and superior selectivity, these catalysts exhibit enhanced filtration characteristics.

Availability

Research quantities are available by order through Strem Chemicals, Inc. on the web at www.strem.com. Commercial quantities are available directly from BASF.

Typical Applications

BASF's Blocking Group Removal catalysts are typically used for removing protecting groups such as benzyl, f-MOC or t-BOC from a large variety of multi-functionalized organic molecules.

As a result of superior application performance, variables such as metal loading can be modified to optimize catalytic activity or decrease costs, depending on the particular application needs.

Furthermore, the higher intrinsic activity increases reactor throughput per unit time, or allows consideration of solvents such as toluene, NMP or THF.

Typical Properties	
Active Metal	Palladium
Active Metal Content, wt%	3, 5, 10
Type	Reduced or unreduced, Water-wet or dry
Support	Activated carbon powder
Surface Area, m^2/g	900–1500
Metal Distribution	Edge, mixed, or uniform
Mean Particle Size (laser), µm	20–40

About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF Catalysts develops unique, proprietary catalyst and adsorbent solutions that drive customer success.

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