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Product Datasheet

CBD3063

FBM-10-4954

Article Name	CBD3063
Biozol Catalog Number	FBM-10-4954
Supplier Catalog Number	10-4954
Alternative Catalog Number	FBM-10-4954-5MG,FBM-10-4954-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cav2.2 blocker...
Molecular Weight	319.41
Purity	>98% by HPLC (NMR Conforms)
Form	White solid
CAS Number	[1281060-70-5]
Formula	C16H25N5O2
Application Notes	CBD3063 is a first-in-class modulator of the Cav2.2 channel that disrupts Cav2.2 interaction with the cytosolic auxiliary subunit collapsing response mediator protein 2 (CRMP2). CBD3063 antagonizes Cav2.2 function and blocks neuropathic and inflammatory pain in mouse models. In contrast to gabapentin (a clinically useful Cav2.2 blocker), CBD3063 did not affect somatosensation and did not compromise the protective role of pain in mice. CBD3063 did not induce sedative, affective, or cognitive effects in mice. It also induced anxiolytic-like effects suggesting partial blood-brain barrier penetration. CDB3063 represents a potential new and superior therapeutic agent for chronic pain.