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Product Datasheet

Iberdomide, CAS [[1323403-33-3]] FBM-10-3921

Artikelname	Iberdomide, CAS [[1323403-33-3]]
Artikelnummer	FBM-10-3921
Hersteller Artikelnummer	10-3921
Alternativnummer	FBM-10-3921-5MG,FBM-10-3921-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Cereblon modulator/Molecular glue...
Molekulargewicht	449.51
Reinheit	>98% by HPLC , NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1323403-33-3]
Formel	C ₂₅ H ₂₇ N ₃ O ₅

Anwendungsbeschreibung	Iberdomide is a modulator of the cullin ring ligase 4-cereblon E3 ubiquitin ligase complex with higher affinity ($IC_{50} = 60 \text{ nM}$) than lenalidomide and pomalidomide leading to more potent degradation of Ikaros (IKZF1, $EC_{50} = 1 \text{ nM}$) and Aiolos (IKZF3, $EC_{50} = 0.5 \text{ nM}$).¹ It is more specific for the cereblon complex and does not degrade GSPT1 or CK1α. It displays antitumor and immunostimulatory activity in lenalidomide- and pomalidomide-resistant multiple myeloma cells.² Iberdomide has also shown efficacy in treating the autoimmune disease cutaneous lupus erythematosus (CLE).³ It was also shown to act as an HIV-1 latency reversal agent in CD4⁺ T-cells.⁴
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