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Product Datasheet

IMR-1, CAS [[310456-65-6]] FBM-10-3601

Article Name	IMR-1, CAS [[310456-65-6]]
Biozol Catalog Number	FBM-10-3601
Supplier Catalog Number	10-3601
Alternative Catalog Number	FBM-10-3601-5MG, FBM-10-3601-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Notch transcriptional activation inhibitor...
Molecular Weight	353.41
Purity	98% by TLC NMR (Conforms)
Form	Yellow solid
CAS Number	[310456-65-6]
Formula	C15H15NO5S2
Application Notes	Inhibitor of Mastermind Recruitment-1 (IMR-1) disrupts the recruitment of Mastermind-like 1 to the Notch transcriptional activation complex (NTC) on chromatin, which attenuates Notch target gene transcription ¹ . IC ₅₀ =26 M (in vitro assay). IMR-1 inhibits the growth of Notch-dependent cell lines and attenuates the growth of patient-derived tumor xenografts. The ethylester is hydrolyzed by intracellular esterases which produces the free acid compound (IMR-1A), IC ₅₀ =0.5 M (in vitro assay). Binding of IMR-1 to NTC is non-covalent and reversible. ¹