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Product Datasheet

MLS-544460
FBM-10-5332

Artikelname	MLS-544460
Artikelnummer	FBM-10-5332
Hersteller Artikelnummer	10-5332
Alternativnummer	FBM-10-5332-5MG,FBM-10-5332-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Eya2 phosphatase inhibitor...
Molekulargewicht	341.36
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Cream/off-white solid
CAS Nummer	[352336-36-8]
Formel	C17H12FN3O2S
Anwendungsbeschreibung	MLS-544460 is an allosteric inhibitor of the Eya2 tyrosine phosphatase (IC ₅₀ =4.1 uM) ¹⁻² which is ineffective against other tyrosine phosphatases including Eya3 and PTP1B. Treatment of patient-derived glioma stem cells induced loss of bipolar spindle formation along with G2/M cell cycle arrest. GSC proliferation was inhibited at concentrations 4 to 10-fold lower than normal brain cells. ³ Treatment of Axolotls following amputation impairs limb regeneration indicating a role for Eya2 in vertebrate regeneration. ⁴