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## Product Datasheet

### **MLS-544460, CAS [[352336-36-8]]** **FBM-10-5332**

Article Name	MLS-544460, CAS [[352336-36-8]]
Biozol Catalog Number	FBM-10-5332
Supplier Catalog Number	10-5332
Alternative Catalog Number	FBM-10-5332-5MG, FBM-10-5332-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Eya2 phosphatase inhibitor...
Molecular Weight	341.36
Purity	>98% by TLC NMR (Conforms)
Form	Cream/off-white solid
CAS Number	[352336-36-8]
Formula	C17H12FN3O2S
Application Notes	MLS-544460 is an allosteric inhibitor of the Eya2 tyrosine phosphatase (IC <sub>50</sub> =4.1 uM) <sup>1-2</sup> 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. <sup>3</sup> Treatment of Axolotls following amputation impairs limb regeneration indicating a role for Eya2 in vertebrate regeneration. <sup>4</sup>