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Product Datasheet

TG003 FBM-10-1292

Article Name	TG003
Biozol Catalog Number	FBM-10-1292
Supplier Catalog Number	10-1292
Alternative Catalog Number	FBM-10-1292-5MG,FBM-10-1292-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Clk family kinase inhibitor...
Molecular Weight	249.33
Purity	98% by HPLC NMR (Conforms)
Form	Light yellow solid
CAS Number	[719277-26-6]
Formula	C13H15NO2S
Application Notes	<p>Potent, ATP-competitive inhibitor of Clk-family kinases (IC50s = 15, 20 and 200 nM for mClk4, 1 and 2 respectively and >10 µM for mClk3)¹. Also inhibits DYRK1A/B (IC50s = 24 and 34 nM respectively)². Suppresses serine/arginine-rich protein phosphorylation, dissociation of nuclear speckles and Clk1/Sty-dependent alternative splicing in mammalian cells¹. Affects the regulation of alternative splicing by phosphorylation of SR protein both in vitro and in vivo. Promotes skipping of exon 31 in the endogenous dystrophin gene³. Increases levels of Clk1/4 mature mRNAs by promoting splicing of the intron-retaining RNAs⁴.</p>