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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	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.