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Product Datasheet

TG003

FBM-10-1292

Artikelname	TG003
Artikelnummer	FBM-10-1292
Hersteller Artikelnummer	10-1292
Alternativnummer	FBM-10-1292-5MG,FBM-10-1292-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Clk family kinase inhibitor...
Molekulargewicht	249.33
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Light yellow solid
CAS Nummer	[719277-26-6]
Formel	C13H15NO2S
Anwendungsbeschreibung	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.