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Product Datasheet

TH10785

FBM-10-5698

Artikelname	TH10785
Artikelnummer	FBM-10-5698
Hersteller Artikelnummer	10-5698
Alternativnummer	FBM-10-5698-5MG,FBM-10-5698-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	OGG1 activator...
Molekulargewicht	267.38
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[1002801-51-5]
Formel	C17H21N3
Anwendungsbeschreibung	An 8-oxo guanine DNA glycosylase 1 (OGG1) activator. Oxidative DNA damage is recognized by OGG1 which then excises 8-oxoguanine, leaving a substrate for apurinic endonuclease 1 (APE1) and initiating DNA repair. TH10785 binds to Phe319 and Gly42 of OGG1 increasing its catalytic activity 10-fold and generating a previously undescribed beta,delta-lyase enzymatic function. TH10785 increases OGG1 recruitment to and repair of oxidative DNA damage. Increased repair of oxidative DNA damage by small molecules may have therapeutic applications in various diseases and aging.¹