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Product Datasheet

TH10785 FBM-10-5698

Article Name	TH10785
Biozol Catalog Number	FBM-10-5698
Supplier Catalog Number	10-5698
Alternative Catalog Number	FBM-10-5698-5MG,FBM-10-5698-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	OGG1 activator...
Molecular Weight	267.38
Purity	>98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1002801-51-5]
Formula	C17H21N3
Application Notes	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