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Product Datasheet

Compound 147, CAS [[393121-74-9]]
FBM-10-3973

Artikelname	Compound 147, CAS [[393121-74-9]]
Artikelnummer	FBM-10-3973
Hersteller Artikelnummer	10-3973
Alternativnummer	FBM-10-3973-10MG,FBM-10-3973-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	ER stress sensing protein ATF6 activator...
Molekulargewicht	255.32
Reinheit	98% by HPLC , NMR (Conforms)
Formulierung	Beige to pale orange solid
CAS Nummer	[393121-74-9]
Formel	C16H17NO2

Anwendungsbeschreibung	Preferential activator of the ER stress sensing protein ATF6.1 It was able to selectively reduce secretion and extracellular aggregation of destabilized amyloidogenic variants of TTR and LC proteins. AA147-dependent ATF6 activation proceeds via metabolic activation to a reactive electrophile that selectively modifies ER proteins including multiple protein disulfide isomerases.2 AA147 suppressed pluripotency and promoted human stem cell differentiation toward a mesodermal lineage via ER expansion.3 It protected the heart against ischemia/reperfusion (I/R) injury in a mouse model of acute myocardial infarction in an ATF6-dependent manner.4 Brain, kidney, and liver tissue was also protected from I/R damage and impaired proteostasis. AA147 reduced infection of multiple strains of dengue and Zika viruses in an ATF6-independent manner.5 Protects against glutamate-induced cell death is a neuronal-derived cell culture model.6 See companion inhibitor 10-3974.