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# Product Datasheet

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

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| 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 |

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| 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. |