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Product Datasheet

Thiamet-G, CAS [[1009816-48-1]] FBM-10-2824

Article Name	Thiamet-G, CAS [[1009816-48-1]]
Biozol Catalog Number	FBM-10-2824
Supplier Catalog Number	10-2824
Alternative Catalog Number	FBM-10-2824-5MG, FBM-10-2824-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	O-GlcNAcase alpha1 antagonist...
Molecular Weight	248.30
Purity	98% by TLC, NMR (Conforms)
Form	Pale yellow solid
CAS Number	[1009816-48-1]
Formula	C ₉ H ₁₆ N ₂ O ₄ S
Application Notes	Potent, selective inhibitor of O-GlcNAcase (K _i = 21 nM for human O-GlcNAcase). Increases levels of O-GlcNAc-modified proteins in cellular assays and in vivo. Suppresses phosphorylation of tau protein in rat cortex and hippocampus.1 Stabilizes tau against aggregation and slows neurodegeneration.2 Prevents cognitive decline and amyloid plaque formation in bigenic tau/APP mutant mice.3 Active in vivo and blood brain barrier permeable.