

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

GSK2656157, CAS [[1337532-29-2]] FBM-10-4855

Article Name	GSK2656157, CAS [[1337532-29-2]]
Biozol Catalog Number	FBM-10-4855
Supplier Catalog Number	10-4855
Alternative Catalog Number	FBM-10-4855-5MG,FBM-10-4855-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Potent and selective PERK inhibitor...
Molecular Weight	416.45
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1337532-29-2]
Formula	C23H21FN6O
Application Notes	Potent (IC₅₀ = 0.9 nM) and selective (over 300 kinases) inhibitor of protein kinase RNA-like endoplasmic reticulum kinase (PERK).^{1,2} Inhibited growth of multiple human tumor xenografts in mice. GSK2656157 has also been found to potently inhibit RIPK1 (IC₅₀ = 69 nM) and TNF-mediated RIPK1 kinase-dependent cell death in mouse embryonic fibroblasts.³ It prevented the loss of dendritic spines and rescued memory deficits after traumatic brain injury.⁴ GSK2656157 also enhanced glucose-stimulated insulin secretion in a mouse model of type 2 diabetes mellitus.⁵