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Product Datasheet

KL-001, CAS [[309928-48-1]]

FBM-10-1411

Article Name	KL-001, CAS [[309928-48-1]]
Biozol Catalog Number	FBM-10-1411
Supplier Catalog Number	10-1411
Alternative Catalog Number	FBM-10-1411-5MG, FBM-10-1411-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cryptochrome (CRY) activator...
Molecular Weight	398.46
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[309928-48-1]
Formula	C ₂₁ H ₂₂ N ₂ O ₄ S
Application Notes	A novel tool that specifically interacts with cryptochrome (CRY) preventing its ubiquitin-dependent degradation resulting in lengthening of the circadian period. KL-001-mediated CRY stabilization inhibits glucagon-induced gluconeogenesis in primary hepatocytes ¹ . Binds to the FAD-binding pocket of CRY2 as determined by co-crystal structure ² . Induces an increase in period along with simultaneous reduction in amplitude of circadian reporter expression ³ in mammalian cells.