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Product Datasheet

ISRIB, CAS [[1597403-47-8]] FBM-10-1539

Article Name	ISRIB, CAS [[1597403-47-8]]
Biozol Catalog Number	FBM-10-1539
Supplier Catalog Number	10-1539
Alternative Catalog Number	FBM-10-1539-5MG,FBM-10-1539-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Integrated stress response inhibitor...
Molecular Weight	451.34
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[1597403-47-8]
Formula	C22H24Cl2N2O4
Application Notes	Integrated stress response inhibitor. Potently reverses the effects of initiation factor 2alpha (eIF2alpha) phosphorylation, IC50=5 nM.1 Enhances spatial and fear-associated learning in mice and enhances cognitive function.1,2 Mechanism of action involves activation of eIF2beta.3 Suppresses ER stress-induced inflammatory gene expression.4 Potently attenuates amyloid beta-induced neuronal cell death (12.5-25 nM) with no effect on amyloid beta production.5 Reverses hippocampal-dependent cognitive deficits induced by traumatic brain injury in two different injury mouse models.6