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Product Datasheet

AI-1, CAS [[75483-04-4]] FBM-10-1471

Article Name	AI-1, CAS [[75483-04-4]]
Biozol Catalog Number	FBM-10-1471
Supplier Catalog Number	10-1471
Alternative Catalog Number	FBM-10-1471-5MG,FBM-10-1471-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Nrf2 activator...
Molecular Weight	265.70
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[75483-04-4]
Formula	C13H12ClNO3
Application Notes	A novel antioxidant response element (ARE) activator which activates Nrf2 by covalently modifying Keap1 (Kelch-like ECH-associated protein 1) a negative regulator of Nrf2. Modification of Cys151 of Keap1 by AI-1 disrupts the ability of Keap1 to serve as an adaptor for Cul3-Keap1 ubiquitin ligase complex, thereby stabilizing and inducing transcriptional activation of Nrf2. A useful pharmacological tool for probing the involvement of Nrf2 in cellular physiology¹. Cell permeable.