

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

Product Datasheet

MS-275, CAS [[209783-80-2]] FBM-10-2131

Article Name	MS-275, CAS [[209783-80-2]]
Biozol Catalog Number	FBM-10-2131
Supplier Catalog Number	10-2131
Alternative Catalog Number	FBM-10-2131-5MG,FBM-10-2131-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	HDAC inhibitor...
Molecular Weight	376.42
Purity	98% by TLC, NMR (Conforms)
Form	Pale yellow solid
CAS Number	[209783-80-2]
Formula	C ₂₁ H ₂₀ N ₄ O ₃
Application Notes	Potent HDAC inhibitor. Selective for HDAC1 (IC ₅₀ = 300 nM) over HDAC3 (IC ₅₀ = 8 µM) and HDAC8 (IC ₅₀ > 100 µM). ¹ In vivo, MS-275 has been shown to inhibit tumor growth via induction of the tumor suppressors p21WAF1/CIP1 and gelsolin ² and to block cell proliferation in a variety of cancer cell lines ^{3,4} . The compound has also shown significant anti-rheumatic activity in rat and mouse arthritis models. ⁵