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## 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 <sub>21</sub> H <sub>20</sub> N <sub>4</sub> O <sub>3</sub>
Application Notes	Potent HDAC inhibitor. Selective for HDAC1 (IC <sub>50</sub> = 300 nM) over HDAC3 (IC <sub>50</sub> = 8 µM) and HDAC8 (IC <sub>50</sub> > 100 µM). <sup>1</sup> In vivo, MS-275 has been shown to inhibit tumor growth via induction of the tumor suppressors p21WAF1/CIP1 and gelsolin <sup>2</sup> and to block cell proliferation in a variety of cancer cell lines <sup>3,4</sup> . The compound has also shown significant anti-rheumatic activity in rat and mouse arthritis models. <sup>5</sup>