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Product Datasheet

PRIMA-1MET, CAS [[5291-32-7]] FBM-10-4175

Article Name	PRIMA-1MET, CAS [[5291-32-7]]
Biozol Catalog Number	FBM-10-4175
Supplier Catalog Number	10-4175
Alternative Catalog Number	FBM-10-4175-5MG,FBM-10-4175-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Reactivates mutant p53...
Molecular Weight	199.25
Purity	95%, NMR (Conforms)
Form	White solid
CAS Number	[5291-32-7]
Formula	C10H17NO3
Application Notes	PRIMA-1MET reactivates mutant p53, an important tumor suppressor gene, in cancer cells. ¹ It induces p53-dependent mitochondrial apoptosis via activation of caspase-2. ² PRIMA-1MET showed significant antitumor activity in multiple myeloma via activation of p73 ³ and had previously been shown to target p53 family members p63 and p73 ⁴ . Tumor cell death by PRIMA-1MET has been also shown to be caused by glutathione depletion and induced ROS production in a p53 independent manner. ⁵⁻⁷ PRIMA-1MET probably induces tumor cell death by both reactivating mutant p53 and inhibiting cellular thiol-dependent redox systems. ⁸