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Product Datasheet

Honokiol-DCA, CAS [[1620160-42-0]]

FBM-10-3596

Article Name	Honokiol-DCA, CAS [[1620160-42-0]]
Biozol Catalog Number	FBM-10-3596
Supplier Catalog Number	10-3596
Alternative Catalog Number	FBM-10-3596-5MG, FBM-10-3596-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TRAP1 inhibitor...
Molecular Weight	488.18
Purity	>98% by TLC NMR (Conforms)
Form	Viscous oil
CAS Number	[1620160-42-0]
Formula	C22H18Cl4O4
Application Notes	A synthetic bis-dichloroacetate ester of the natural product honokiol, is an allosteric inhibitor of the mitochondrial chaperone TRAP1.1 It binds to an allosteric site on TRAP1 leading to inhibition (IC50 ~8mM) and is selective over HSP90, unlike 17-AAG and radicicol which are nonselective. Inhibition of TRAP1 leads to upregulation of succinate dehydrogenase and the mitochondrial deacetylase SIRT3. In neoplastic cells HDCA decreases proliferation, increases mitochondrial superoxide levels and abolishes tumorigenic growth. ¹ HDCA demonstrated in vivo activity against vemurafenib-resistant (LM36R) melanoma. ²