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Product Datasheet

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

FBM-10-3596

Artikelname	Honokiol-DCA, CAS [[1620160-42-0]]
Artikelnummer	FBM-10-3596
Hersteller Artikelnummer	10-3596
Alternativnummer	FBM-10-3596-5MG, FBM-10-3596-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	TRAP1 inhibitor...
Molekulargewicht	488.18
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Viscous oil
CAS Nummer	[1620160-42-0]
Formel	C22H18Cl4O4
Anwendungsbeschreibung	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