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Product Datasheet

Cucurbitacin B FBM-10-4881

Artikelname	Cucurbitacin B
Artikelnummer	FBM-10-4881
Hersteller Artikelnummer	10-4881
Alternativnummer	FBM-10-4881-5MG,FBM-10-4881-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	IGF2BP1 inhibitor...
Molekulargewicht	558.71
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[6199-67-3]
Formel	C32H46O8

Anwendungsbeschreibung

Cucurbitacin B is a natural product isolated from the Cucurbitaceae family.¹ It displays a broad range of pharmacological activities including anti-inflammatory, antioxidant, antiviral, hypoglycemic, hepato- and neuroprotection, and anti-cancer.^{1,2} Cucurbitacin B's activities are the result of regulation of diverse signaling pathways including JAK/STAT3, Nrf2/ARE, NFκB, AMPK, MAPK, and others. It has recently been shown to block the m6A RNA reader protein IGF2BP1 (IC₅₀ = 4.1 μM and 1.0 μM 24 and 72 hr respectively).³ IGF2BP1 blockade in hepatocellular carcinoma cells leads to apoptosis and subsequent recruitment of immune cells to the tumor microenvironment and PD-L1 blockade.