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Product Datasheet

Cucurbitacin B
FBM-10-4881

Article Name	Cucurbitacin B
Biozol Catalog Number	FBM-10-4881
Supplier Catalog Number	10-4881
Alternative Catalog Number	FBM-10-4881-5MG,FBM-10-4881-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	IGF2BP1 inhibitor...
Molecular Weight	558.71
Purity	>98% by TLC NMR (Conforms)
Form	White solid
CAS Number	[6199-67-3]
Formula	C32H46O8
Application Notes	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 Bs activities are the result of regulation of diverse signaling pathways including JAK/STAT3, Nrf2/ARE, NFkB, 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.