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Product Datasheet

DMB, CAS [[281209-71-0]]
FBM-10-3975

Article Name	DMB, CAS [[281209-71-0]]
Biozol Catalog Number	FBM-10-3975
Supplier Catalog Number	10-3975
Alternative Catalog Number	FBM-10-3975-5MG,FBM-10-3975-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Gasdermin D agonist/GLP-1 agonist...
Molecular Weight	348.20
Purity	98% by HPLC , NMR (Conforms)
Form	Yellow solid
CAS Number	[281209-71-0]
Formula	C13H15Cl2N3O2S
Application Notes	DMB is a small molecule glucagon-like peptide 1 (GLP-1) ago-allosteric modulator and agonist ($EC_{50} = 101 \text{ nM}$).¹ It significantly stimulated insulin secretion in BRIN-BD11 cells and decreased overall glucose excursion in mice.² DMB is a direct and selective gasdermin D (GSDMD) agonist that activates GSDMD pore formation and pyroptosis without cleaving GSDMD ($EC_{50} = 700 \text{ nM}$).³ It induced pyroptosis in mouse cancer cell lines and induced tumor regression and enhanced antitumor immunity. DMB-treated tumor cells acted as a tumor vaccine in mice indicating that DMB can trigger immunogenic cell death that provides protective antitumor immunity.