

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Ionomycin, CAS [[56092-81-0]] FBM-10-2079

Article Name	Ionomycin, CAS [[56092-81-0]]
Biozol Catalog Number	FBM-10-2079
Supplier Catalog Number	10-2079
Alternative Catalog Number	FBM-10-2079-1MG,FBM-10-2079-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Calcium ionophore...
Molecular Weight	709.01
Purity	98% by TLC, NMR (Conforms)
Form	Yellow oil or waxy solid
CAS Number	[56092-81-0]
Formula	C ₄₁ H ₇₂ O ₉
Application Notes	Highly selective nonfluorescent calcium (Ca ²⁺) ionophore. ¹ Induces a rapid rise in cytosolic Ca ²⁺ in human neutrophils which is due to both release from cytosolic Ca ²⁺ stores as well as Ca ²⁺ influx. ² It activates (2 µM) and primes (20-200 nM) neutrophil NADPH oxidase ² . Down regulates beta-catenin/Tcf signaling in a colon cancer cell line via suppressing the binding of Tcf to its specific DNA-binding site. ³ In rat hepatoma cells, sub-lethal ionomycin activates the stress response by activating SAPK/JNK and HSF/HSE interaction leading to upregulation of HSP70 biosynthesis. ⁴