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Product Datasheet

Salinomycin Na, CAS [[55721-31-8]] FBM-10-2654

Article Name	Salinomycin Na, CAS [[55721-31-8]]
Biozol Catalog Number	FBM-10-2654
Supplier Catalog Number	10-2654
Alternative Catalog Number	FBM-10-2654-5MG, FBM-10-2654-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cancer stem cell inhibitor...
Molecular Weight	772.98
Purity	97% by TLC NMR (Conforms)
Form	White solid
CAS Number	[55721-31-8]
Formula	C ₄₂ H ₆₉ O ₁₁ Na
Application Notes	A polyether ionophore with antibiotic and anti-cancer properties. It induces cell death in some types of cancer cells such as breast, lung, gastric cancer, leukemia and osteosarcoma ¹ . Displays selective toxicity for cancer stem cells ¹ . Induces rapid mitochondrial hyperpolarization ² . Induces selective cytotoxicity to MCF-7 mammosphere cells via the hedgehog signaling pathway ³ . Reduces doxorubicin resistance of breast tumor cells by inhibiting drug efflux pump expression and activity ⁴ . Kills cancer stem cells by sequestering iron. ⁵