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Product Datasheet

VY-3-135, CAS [[1824637-41-3]] **FBM-10-4096**

Article Name	VY-3-135, CAS [[1824637-41-3]]
Biozol Catalog Number	FBM-10-4096
Supplier Catalog Number	10-4096
Alternative Catalog Number	FBM-10-4096-5MG, FBM-10-4096-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Acetyl-CoA synthetase 2 inhibitor...
Molecular Weight	429.52
Purity	98% by HPLC NMR (Conforms)
Form	Off-white to pale yellow solid
CAS Number	[1824637-41-3]
Formula	C ₂₆ H ₂₇ N ₃ O ₃
Application Notes	Potent (IC ₅₀ = 44 nM) and selective inhibitor of acetyl-CoA synthetase 2 (ACSS2), an enzyme that is upregulated in nutrient-stressed cancer cells. ¹ It completely blocked fatty acid synthesis from acetate in SKBR3 breast cancer cells. VY-3-135 caused growth inhibition of mouse and human triple negative breast cancer cells that expressed high levels of ACSS2 but not those that expressed low levels. It displayed no effects on gene regulation.