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Product Datasheet

CB-839, CAS [[1439399-58-2]] FBM-10-4556

Article Name	CB-839, CAS [[1439399-58-2]]
Biozol Catalog Number	FBM-10-4556
Supplier Catalog Number	10-4556
Alternative Catalog Number	FBM-10-4556-5MG,FBM-10-4556-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glutaminase inhibitor...
Molecular Weight	571.57
Purity	>97% by HPLC: Agilent Poroshell 120 C18, 80/20 MeOH/water, 0.8 mL/min, 245 and 270 nm. NMR (Conforms)
Form	Pale yellow solid
CAS Number	[1439399-58-2]
Formula	C ₂₆ H ₂₄ F ₃ N ₇ O ₃ S
Application Notes	CB-839 is a potent (IC₅₀ = 24 nM), selective and orally bioavailable inhibitor of glutaminase (KGA and GAC).¹ CB-839 displayed an antiproliferative effect in the triple-negative breast cancer cell line, HCC-1806, but no activity in the estrogen receptor-positive cell line T47D. CB-839 was able to cause proliferation arrest and apoptosis in acute myeloid leukemia cells without causing cytotoxicity against normal human CD34(+) progenitors.² Aspartate-glutamate carrier 1 (AGC1) inhibition can synergize with CB-839 to limit tumor growth.³