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## Product Datasheet

### CB-839 FBM-10-4556

Article Name	CB-839
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 <sub>26</sub> H <sub>24</sub> F <sub>3</sub> N <sub>7</sub> O <sub>3</sub> S
Application Notes	<p>CB-839 is a potent (IC<sub>50</sub> = 24 nM), selective and orally bioavailable inhibitor of glutaminase (KGA and GAC).<sup>1</sup> 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.<sup>2</sup> Aspartate-glutamate carrier 1 (AGC1) inhibition can synergize with CB-839 to limit tumor growth.<sup>3</sup></p>