

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

Product Datasheet

BAY-876, CAS [[1799753-84-6]] FBM-10-4708

Article Name	BAY-876, CAS [[1799753-84-6]]
Biozol Catalog Number	FBM-10-4708
Supplier Catalog Number	10-4708
Alternative Catalog Number	FBM-10-4708-5MG,FBM-10-4708-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	GLUT1 inhibitor...
Molecular Weight	496.43
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1799753-84-6]
Formula	C ₂₄ H ₁₆ F ₄ N ₆ O ₂
Application Notes	Potent inhibitor (IC ₅₀ = 2 nM) of the facilitative glucose transporter GLUT1, an enzyme frequently overexpressed in many cancers. ¹ It shows greater than 100-fold selectivity over GLUT2-4. BAY-876 displayed potent antitumor activity in ovarian cancer xenograft models ² and in triple negative breast cancer cells displaying high glycolytic and low oxidative phosphorylation rates ³ . It reduced CD4+ T cell proliferation and IFN-gamma secretion via GLUT1 inhibition suggesting utility against auto-inflammatory diseases. ⁴ BAY-876 induces disulfidptosis in SLCA11high cancer cells. ⁵