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## Product Datasheet

### **BAY-876** **FBM-10-4708**

Article Name	BAY-876
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 <sub>24</sub> H <sub>16</sub> F <sub>4</sub> N <sub>6</sub> O <sub>2</sub>
Application Notes	<p>Potent inhibitor (IC<sub>50</sub> = 2 nM) of the facilitative glucose transporter GLUT1, an enzyme frequently overexpressed in many cancers.<sup>1</sup> It shows greater than 100-fold selectivity over GLUT2-4. BAY-876 displayed potent antitumor activity in ovarian cancer xenograft models<sup>2</sup> and in triple negative breast cancer cells displaying high glycolytic and low oxidative phosphorylation rates<sup>3</sup>. It reduced CD4+ T cell proliferation and IFN-gamma secretion via GLUT1 inhibition suggesting utility against auto-inflammatory diseases.<sup>4</sup> BAY-876 induces disulfidptosis in SLCA11high cancer cells.<sup>5</sup></p>