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Product Datasheet

Fumarate hydratase-IN-1, CAS [[1644060-37-6]] FBM-10-4578

Article Name	Fumarate hydratase-IN-1, CAS [[1644060-37-6]]
Biozol Catalog Number	FBM-10-4578
Supplier Catalog Number	10-4578
Alternative Catalog Number	FBM-10-4578-5MG,FBM-10-4578-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Fumarate hydratase inhibitor...
Molecular Weight	446.55
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1644060-37-6]
Formula	C27H30N2O4
Application Notes	Fumarate hydratase-IN-1 is a pro-drug inhibitor of fumarate hydratase, an important enzyme in the tricarboxylic acid (TCA) cycle. This cell permeable compound is converted to the active carboxylic acid by intracellular esterases ($K_i = 4.5 \mu\text{M}$ for free acid). The ethyl ester displayed cell-growth inhibitory activity against several cancer lines under nutrient (glucose) deprived conditions with an average $\text{IC}_{50} = 2.2 \mu\text{M}$.