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Product Datasheet

SKLB-D18 FBM-10-4092

Article Name	SKLB-D18
Biozol Catalog Number	FBM-10-4092
Supplier Catalog Number	10-4092
Alternative Catalog Number	FBM-10-4092-5MG, FBM-10-4092-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ERK1/2/5 inhibitor...
Molecular Weight	472.00
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white to pale yellow solid
Formula	C23H26ClN5O2S
Application Notes	SKLB-D18 is a first-in-class potent dual ERK1/2 and ERK 5 inhibitor (IC50s: ERK1 = 39 nM, ERK2 = 40 nM, ERK5 = 60 nM) and is highly selective against a panel of 380 kinases. It exhibited good activity against MDA-MB-231 (IC50 = 0.93 μ M) and MDA-MB-468 (IC50 = 1.05 μ M) cells. SKLB-D18 inhibited activation of ERK1/2/5 downstream components p-ERK5, p-RSK90, p-c-Myc, and c-MYC. It was also able to induce autophagy-dependent cell death and ferroptosis in triple negative breast cancer cells. Active in mouse triple negative breast cancer xenografts.