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Product Datasheet

Compound 401, CAS [[168425-64-7]] FBM-10-3055

Article Name	Compound 401, CAS [[168425-64-7]]
Biozol Catalog Number	FBM-10-3055
Supplier Catalog Number	10-3055
Alternative Catalog Number	FBM-10-3055-5MG, FBM-10-3055-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual DNA-PK/mTOR inhibitor...
Molecular Weight	381.32
Purity	>98% by TLC/HPLC (NMR Conforms)
Form	Off-white solid
CAS Number	[168425-64-7]
Formula	C16H15N3O2
Application Notes	Compound 401 is a dual inhibitor of DNA-dependent protein kinase (DNA-PK) and mammalian target of rapamycin (mTOR), IC50s = 0.28 and 5.3 µM, respectively) with selectivity over PI3K, ATM, and ATR.1 Treatment of cells with 401 (10 µM) blocked the phosphorylation of sites modified by mTOR-Raptor and mTOR-Rictor complexes (ribosomal protein S6 kinase 1 Thr(389) and Akt Ser(473), respectively) with no direct inhibition of Akt Thr(308) phosphorylation, which is dependent on PI3K.2