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Product Datasheet

LY2603618, CAS [[911222-45-2]] FBM-10-4123

Article Name	LY2603618, CAS [[911222-45-2]]
Biozol Catalog Number	FBM-10-4123
Supplier Catalog Number	10-4123
Alternative Catalog Number	FBM-10-4123-5MG,FBM-10-4123-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Chk1 inhibitor...
Molecular Weight	436.30
Purity	98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[911222-45-2]
Formula	C18H22BrN5O3
Application Notes	LY2603618 is a potent (IC50 = 7nM) and selective (>1000x over Chk2) Checkpoint kinase 1 (Chk1) inhibitor. ¹ Chk1 is an important regulator of the DNA damage response - combination treatment of LY2603618 with other chemotherapeutic agents significantly increased tumor growth inhibition when compared to chemotherapeutic alone. ^{2,3,4} LY2603618 caused a dramatic suppression of cell growth in MCF-7 and MDA-MB-231 human breast cancer cells via Chk1 inhibition induced upregulation of replication stress caused by oncogenes. ⁵