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Product Datasheet

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

Artikelname	LY2603618, CAS [[911222-45-2]]
Artikelnummer	FBM-10-4123
Hersteller Artikelnummer	10-4123
Alternativnummer	FBM-10-4123-5MG, FBM-10-4123-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Chk1 inhibitor...
Molekulargewicht	436.30
Reinheit	98% by HPLC, NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[911222-45-2]
Formel	C18H22BrN5O3
Anwendungsbeschreibung	LY2603618 is a potent (IC ₅₀ = 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