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## Product Datasheet

**ML323**

**FBM-10-1560**

Artikelname	ML323
Artikelnummer	FBM-10-1560
Hersteller Artikelnummer	10-1560
Alternativnummer	FBM-10-1560-5MG,FBM-10-1560-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	USP1 - UAF1 inhibitor...
Molekulargewicht	384.48
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1572414-83-5]
Formel	C23H24N6
Anwendungsbeschreibung	<p>Potent and reversible USP1-UAF1 deubiquitinase complex inhibitor with excellent selectivity against human DUBs, deSUMOylase, deneddylase and unrelated proteases, IC50=76 nm in a ubiquitin-rhodamine 110 assay.<sup>1</sup> In H1299 non-small cell lung cancer cells treatment with ML323 dose dependently and robustly increased levels of monoubiquitinated PCNA compared to untreated cells at concentrations as low as 1 M.<sup>1</sup> It potentiates cisplatin cytotoxicity in non-small cell lung cancer and osteosarcoma cells.<sup>2</sup> ML323 inhibition of upregulated USP1 in BRCA1-deficient tumor cells results in replication fork destabilization and decreased viability.<sup>3</sup></p>