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Product Datasheet

NU7441, CAS [[503468-95-9]] FBM-10-4810

Artikelname	NU7441, CAS [[503468-95-9]]
Artikelnummer	FBM-10-4810
Hersteller Artikelnummer	10-4810
Alternativnummer	FBM-10-4810-5MG,FBM-10-4810-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	DNA-PK inhibitor...
Molekulargewicht	413.49
Reinheit	98% by TLC NMR (Conforms)
Formulierung	Off-white to beige solid
CAS Nummer	[503468-95-9]
Formel	C25H19NO3S
Anwendungsbeschreibung	NU7441 is a potent (IC ₅₀ = 13 nM) and selective ATP-competitive inhibitor of DNA-dependent protein kinase (DNA-PK). ^{1,2} It increased the toxicity of ionizing radiation and etoposide on SW620 human colon cancer lines via impeding DNA double-strand break repair. ³ NU7441 also increased the radio/chemosensitivity of various other cancer cell lines. ³⁻⁶ Reduces the frequency of NHEJ repair while enhancing the rate of HDR repair following CRISPR/Cas9-mediated gene editing. ⁷