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Product Datasheet

RITA, CAS [[213261-59-7]]
FBM-10-3385

Artikelname	RITA, CAS [[213261-59-7]]
Artikelnummer	FBM-10-3385
Hersteller Artikelnummer	10-3385
Alternativnummer	FBM-10-3385-5MG,FBM-10-3385-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	p53 activator...
Molekulargewicht	292.37
Reinheit	98% by TLC NMr (Conforms)
Formulierung	Yellow solid
CAS Nummer	[213261-59-7]
Formel	C14H12O3S2
Anwendungsbeschreibung	RITA (reactivation of p53 and induction of tumor cell apoptosis) binds to p53 ($K_d = 1.5 \text{ nM}$), changing its conformation, preventing it from binding to HDM2 (human ortholog of MDM2, Mouse Double-Minute clone 2), and targeting it for proteasomal degradation.¹ It also weakly (computed $K_d = 22 \text{ }\mu\text{M}$) binds HDM2 in the cleft that contacts the p53 transactivation domain.² Its restoration of mutant p53 function depends on eIF2α phosphorylation, and it induces apoptosis via p53-dependent and -independent (JNK/SAPK/p38, protein translation) pathways.³⁻⁵ Induces senescence in head and neck cancer cells.⁶