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Product Datasheet

SI-2, CAS [[380537-35-9]]

FBM-10-3903

Artikelname	SI-2, CAS [[380537-35-9]]
Artikelnummer	FBM-10-3903
Hersteller Artikelnummer	10-3903
Alternativnummer	FBM-10-3903-5MG,FBM-10-3903-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Potent inhibitor of steroid receptor coactivator-3 (SRC-3)...
Molekulargewicht	265.31
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Pale orange solid
CAS Nummer	[380537-35-9]
Formel	C15H15N5
Anwendungsbeschreibung	Si-2 is a potent inhibitor of steroid receptor coactivator-3 (SRC-3).¹ It blocks MDA-MB-468 cell growth with an IC₅₀ = 3.4 nM without effecting normal cells.¹ It significantly inhibited breast cancer cell growth in an orthotopic MDA-MD-468 mouse model. Treatment of MCF-7 or triple negative MDA-MB-231 cells with SI-2 resulted in inhibition of proliferation and breast cancer stem cell (CSC) tumorsphere formation.² CSC markers CD44+/CD24-/1o and aldehyde dehydrogenase (ALDH) were also reduced indicating that SI-2 can selectively interfere with the TIC/CSC state in breast cancer cells.^{2,3}