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Product Datasheet

ML239

FBM-10-1417

Artikelname	ML239
Artikelnummer	FBM-10-1417
Hersteller Artikelnummer	10-1417
Alternativnummer	FBM-10-1417-5MG,FBM-10-1417-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Selective cancer stem cell killer...
Molekulargewicht	346.60
Reinheit	98% by TLC, NMr (Conforms)
Formulierung	Beige solid
CAS Nummer	[1378872-36-6]
Formel	C13 H10 Cl3 N3 O2
Anwendungsbeschreibung	<p>A novel inhibitor of the growth and proliferation of breast cancer stem cells (CSC) discovered in a phenotypic screen employing CSC-like cells produced by inducing human breast epithelial cells into an epithelial-to-mesenchymal transdifferentiated state (HMLE_sh_ECad). ML239 displayed an IC₅₀=1.18 μM against HMLE_sh_ECad and demonstrated a >23-fold selectivity over control cells. It was also toxic to two other CSC-like lines^{1,2}. Gene expression studies showed altered gene expression in the NFκB pathway¹ and support activation of fatty acid desaturase 2 (FADS2) as a potential mechanism of action for ML239.³</p>