

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

Product Datasheet

S07-2010, CAS [[1223194-71-5]]

FBM-10-4148

Artikelname	S07-2010, CAS [[1223194-71-5]]
Artikelnummer	FBM-10-4148
Hersteller Artikelnummer	10-4148
Alternativnummer	FBM-10-4148-5MG, FBM-10-4148-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	pan-AKR1C inhibitor...
Molekulargewicht	371.46
Reinheit	98% by TLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[1223194-71-5]
Formel	C19H21N3O3S
Anwendungsbeschreibung	S07-2010 is a pan-aldo-keto reductase 1C (AKR1C) inhibitor (IC50s for AKR1C isoforms: 1C1 = 470 nM, 1C2 = 730 nM, 1C3 = 190 nM, 1C4 = 360 nM). Dysregulated AKR1C3 expression (and overexpression of all AKR1C isoforms in general) is related to resistance to radio- and chemotherapy in various tumor types and is associated with development of and poor prognosis in many cancers. S07-2010 displayed cytotoxicity to doxorubicin-resistant MCF-7 cells (IC50 = 127.5 μM) and cisplatin-resistant A549 cells (IC50 = 5.51 μM). Combination treatment of chemotherapeutic agents and S07-2010 showed synergistic effects in drug-resistant cell lines.