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Product Datasheet

icFSP1 FBM-10-5735

Artikelname	icFSP1
Artikelnummer	FBM-10-5735
Hersteller Artikelnummer	10-5735
Alternativnummer	FBM-10-5735-1MG,FBM-10-5735-5MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Ferroptosis suppressor protein (FSP1) inhibitor...
Molekulargewicht	459.5
Reinheit	>96% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1115910-36-5]
Formel	C ₂₆ H ₂₅ N ₃ O ₅

Anwendungsbeschreibung	Ferroptosis suppressor protein-1 (FSP1) along with ubiquinone and NAD(P)H/H⁺ has been identified as a second ferroptosis suppressing system which prevents lipid peroxidation independently of the cysteine-glutathione-glutathione peroxidase 4 (GPX4) axis.¹⁻³ icFSP1 (1115910-36-5) was discovered in a screen to identify inhibitors of FSP1. However, it does not competitively inhibit FSP1 enzyme activity but triggers subcellular relocalization of FSP1 (at 2.5 μM) from the membrane and FSP1 condensation before ferroptosis induction. icFSP1-induced FSP1 condensates show droplet-like properties consistent with phase separation. icFSP1 impairs tumor growth and induces FSP1 condensates in tumors in vivo.⁴
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