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Product Datasheet

icFSP1

FBM-10-5735

Article Name	icFSP1
Biozol Catalog Number	FBM-10-5735
Supplier Catalog Number	10-5735
Alternative Catalog Number	FBM-10-5735-1MG,FBM-10-5735-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Ferroptosis suppressor protein (FSP1) inhibitor...
Molecular Weight	459.5
Purity	>96% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1115910-36-5]
Formula	C26H25N3O5
Application Notes	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