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## Product Datasheet

### Dynarrestin, CAS [[2222768-84-3]] FBM-10-4196

Article Name	Dynarrestin, CAS [[2222768-84-3]]
Biozol Catalog Number	FBM-10-4196
Supplier Catalog Number	10-4196
Alternative Catalog Number	FBM-10-4196-5MG,FBM-10-4196-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cytoplasmic dynein 1/2 inhibitor...
Molecular Weight	431.50
Purity	>98% by HPLC NMR (Conforms)
Form	Pale pink/purple solid
CAS Number	[2222768-84-3]
Formula	C22H23F2N3O2S
Application Notes	Dynarrestin is a reversible inhibitor of cytoplasmic dyneins 1 and 2.1 It inhibits dynein 1-dependent microtubule binding and motility without affecting ATP hydrolysis as well as dynein 2-dependent intraflagellar transport of the cargo IFT88 and flux of Smoothened within cilia without interfering with ciliogenesis. Dynarrestin suppresses hedgehog-dependent proliferation of neuronal precursors and tumor cells. It binds protein tyrosine phosphatase interacting protein 51 (PTPIP51) leading to increased MAPK activation and complete blockade of Akt signaling in Her2 positive breast cancer cells (SKBR3).2