**Product Name**: Dynarrestin  
**Cat. No.**: PC-62399  
**CAS No.**: 2222768-84-3  
**Molecular Formula**: C_{22}H_{23}F_{2}N_{3}O_{2}S  
**Molecular Weight**: 431.502  
**Target**: Dynein

**Biological Activity**

Dynarrestin is a novel inhibitor of cytoplasmic dyneins 1 and 2, acts reversibly to inhibit cytoplasmic dynein 1-dependent microtubule binding and motility in vitro without affecting ATP hydrolysis; rapidly and reversibly inhibits endosome movement in living cells and perturbs mitosis by inducing spindle misorientation and pseudoprometaphase delay; reversibly inhibits cytoplasmic dynein 2-dependent intraflagellar transport (IFT) of the cargo IFT88 and flux of Smo within cilia without interfering with ciliogenesis and suppresses Hh-dependent proliferation of neuronal precursors and tumor cells.

**References**


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**Caution**: Product has not been fully validated for medical applications. Lab Use Only!

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