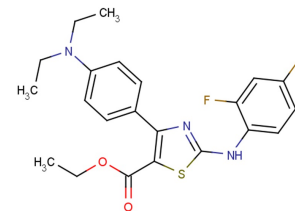


## Data Sheet (Cat.No.T15183)

Dynarrestin

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 2222768-84-3   |
| Formula:          | C <sub>22</sub> H <sub>23</sub> F <sub>2</sub> N <sub>3</sub> O <sub>2</sub> S |
| Molecular Weight: | 431.5  |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months).         |



### Biological Description

|                            |   |
|----------------------------|---|
| Description                | Dynarrestin is an inhibitor of cytoplasmic dyneins 1 and 2. Dynarrestin suppresses hedgehog (Hh)-dependent proliferation of neuronal precursors and tumor cells. It inhibits dynein 1-driven microtubule gliding in vitro plus a range of dynein 1- and 2-dependent processes in cells. |
| Targets(IC <sub>50</sub> ) | Others: None  |

### Solubility Information

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

#### Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 2.317 mL | 11.587 mL | 23.175 mL |
| 5 mM  | 0.463 mL | 2.317 mL  | 4.635 mL  |
| 10 mM | 0.232 mL | 1.159 mL  | 2.317 mL  |
| 50 mM | 0.046 mL | 0.232 mL  | 0.463 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Höing S, et al. Dynarrestin, a Novel Inhibitor of Cytoplasmic Dynein. Cell Chem Biol. 2018 Apr 19;25(4):357-369.e6.

Inhibitors · Natural Compounds · Compound Libraries

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