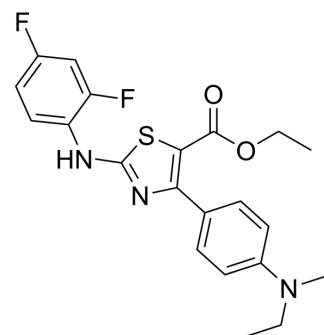


## Dynarrestin

Cat. No.:	HY-121802
CAS No.:	2222768-84-3
Molecular 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
Target:	Hedgehog
Pathway:	Stem Cell/Wnt
Storage:	4°C, protect from light

\* The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 83.33 mg/mL (193.12 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3175 mL	11.5875 mL	23.1750 mL
	5 mM	0.4635 mL	2.3175 mL	4.6350 mL
	10 mM	0.2317 mL	1.1587 mL	2.3175 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Dynarrestin is a aminothiazole inhibitor of cytoplasmic dyneins 1 and 2. Dynarrestin rapidly and reversibly inhibits dynein 1-driven microtubule gliding in vitro plus a range of dynein 1- and 2-dependent processes in cells without affecting ATP hydrolysis and interfering with ciliogenesis. Dynarrestin suppresses hedgehog (Hh)-dependent proliferation of neuronal precursors and tumor cells<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Curr Biol. 2022 May 4;S0960-9822(22)00604-2.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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