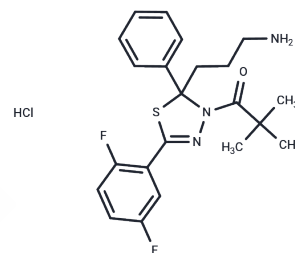


## Mitotic kinesin-IN-1 hydrochloride

### Chemical Properties

CAS No. : 1018690-45-3  
 Formula: C<sub>22</sub>H<sub>26</sub>ClF<sub>2</sub>N<sub>3</sub>O<sub>5</sub>  
 Molecular Weight: 453.98  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	Mitotic kinesin-IN-1 hydrochloride (Example 80) is an inhibitor of mitotic kinesin, which suppresses cell proliferation by hindering mitosis. This compound is applicable in research related to cancer, cardiac hypertrophy, immune and inflammatory diseases, and fungal infections.
Targets(IC50)	Kinesin

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2027 mL	11.0137 mL	22.0274 mL
5 mM	0.4405 mL	2.2027 mL	4.4055 mL
10 mM	0.2203 mL	1.1014 mL	2.2027 mL
50 mM	0.0441 mL	0.2203 mL	0.4405 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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