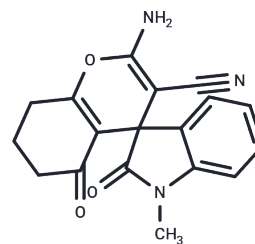


## MuRF1-IN-1

## Chemical Properties

CAS No. :	445222-91-3
Formula:	C <sub>18</sub> H <sub>15</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	321.33
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	MuRF1-IN-1 is an inhibitor of muscle ring finger 1.
Targets(IC50)	Others,E1/E2/E3 Enzyme
In vitro	MuRF1-IN-1 inhibited MuRF1-titin complexation with IC50 values <25 μM,

## Solubility Information

Solubility	DMSO: 60 mg/mL (186.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1121 mL	15.5603 mL	31.1207 mL
5 mM	0.6224 mL	3.1121 mL	6.2241 mL
10 mM	0.3112 mL	1.556 mL	3.1121 mL
50 mM	0.0622 mL	0.3112 mL	0.6224 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.

## Reference

Bowen TS, Adams V, Werner S, et al. Small-molecule inhibition of MuRF1 attenuates skeletal muscle atrophy and dysfunction in cardiac cachexia. J Cachexia Sarcopenia Muscle. 2017 Dec;8(6):939-953.

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