

## RC-33 HCl

## Chemical Properties

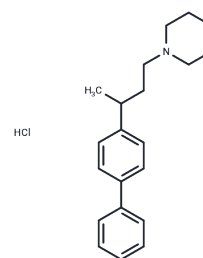
CAS No. : 1346016-43-0

Formula: C<sub>21</sub>H<sub>28</sub>ClN

Molecular Weight: 329.91

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	RC-33 HCl is a selective and metabolically stable $\sigma_1$ receptor agonist potentiating NGF-induced neurite outgrowth.
Targets(IC50)	Apoptosis,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0311 mL	15.1556 mL	30.3113 mL
5 mM	0.6062 mL	3.0311 mL	6.0623 mL
10 mM	0.3031 mL	1.5156 mL	3.0311 mL
50 mM	0.0606 mL	0.3031 mL	0.6062 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

- Collina S, Rui M, Stotani S, Bignardi E, Rossi D, Curti D, Giordanetto F, Malacrida A, Scuteri A, Cavaletti G. Are sigma receptor modulators a weapon against multiple sclerosis disease? *Future Med Chem.* 2017 Nov;9(17):2029-2051. doi: 10.4155/fmc-2017-0122. Epub 2017 Oct 27. PubMed PMID: 29076758.
- French LB, Lanning CC, Matly M, Harris-Warrick RM. Cellular localization of Shab and Shaw potassium channels in the lobster stomatogastric ganglion. *Neuroscience.* 2004;123(4):919-30. PubMed PMID: 14751285.
- Golowasch J, Abbott LF, Marder E. Activity-dependent regulation of potassium currents in an identified neuron of the stomatogastric ganglion of the crab *Cancer borealis*. *J Neurosci.* 1999 Oct 15;19(20):RC33. PubMed PMID: 10516335.

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