

NF-56-EJ40

## Chemical Properties

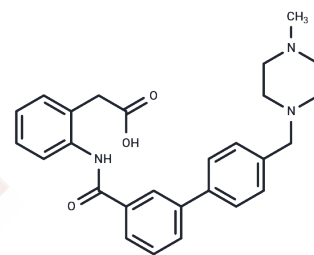
CAS No. : 2380230-73-7

Formula: C<sub>27</sub>H<sub>29</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 443.54

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	NF-56-EJ40 is an effective and highly selective antagonist of human SUCNR1 with an IC <sub>50</sub> of 25 nM and a K <sub>i</sub> of 33 nM.
Targets(IC <sub>50</sub> )	Succinate Receptor 1 (SUCNR1)
In vitro	NF-56-EJ40 shows a high affinity for humanized rat SUCNR1 with a K <sub>i</sub> value of 17.4 nM. NF-56-EJ40 shows almost no activity towards rat SUCNR1[1].

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble) DMSO: 2 mg/mL (4.51 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	2.2546 mL	11.2729 mL	22.5459 mL
5 mM	0.4509 mL	2.2546 mL	4.5092 mL
10 mM	0.2255 mL	1.1273 mL	2.2546 mL
50 mM	0.0451 mL	0.2255 mL	0.4509 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

Haffke M, et al. Structural basis of species-selective antagonist binding to the succinate receptor. Nature. 2019 Oct; 574(7779):581-585.

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