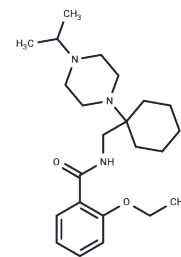


pan-HCN-IN-1

## Chemical Properties

CAS No. : 1334308-63-2  
 Formula: C<sub>23</sub>H<sub>37</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 387.56  
 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	Pan-HCN-IN-1 (Compound J&J12e) is an inhibitor of the hyperpolarization-activated and cyclic-nucleotide-gated 1 (HCN1) ion channel, with an IC <sub>50</sub> of 58 nM. Pan-HCN-IN-1 reduces the voltage sag response and enhances EPSP summation in ex vivo rat brain slices [1].
Targets(IC <sub>50</sub> )	HCN Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5802 mL	12.9012 mL	25.8025 mL
5 mM	0.516 mL	2.5802 mL	5.1605 mL
10 mM	0.258 mL	1.2901 mL	2.5802 mL
50 mM	0.0516 mL	0.258 mL	0.516 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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