

XPC-6444

## Chemical Properties

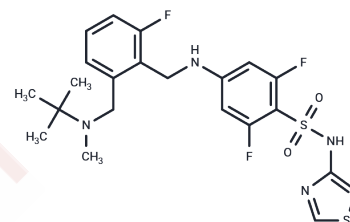
CAS No. : 2230144-21-3

Formula: C<sub>22</sub>H<sub>25</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>

Molecular Weight: 498.58

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	XPC-6444 is a isoform-selective, and CNS-penetrant inhibitor of NaV1.6 with IC <sub>50</sub> of 41 nM for hNaV1.6, with anticonvulsant activity.
Targets(IC <sub>50</sub> )	Others, Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0057 mL	10.0285 mL	20.057 mL
5 mM	0.4011 mL	2.0057 mL	4.0114 mL
10 mM	0.2006 mL	1.0028 mL	2.0057 mL
50 mM	0.0401 mL	0.2006 mL	0.4011 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

Focken T, et al. Identification of CNS-Penetrant Aryl Sulfonamides as Isoform-Selective NaV1.6 Inhibitors with Efficacy in Mouse Models of Epilepsy. J Med Chem. 2019 Oct 3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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