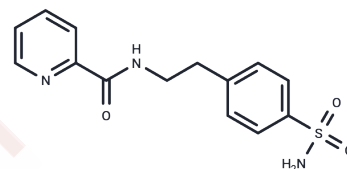


hCAI/II/IV-IN-28

## Chemical Properties

CAS No. : 78659-11-7  
 Formula: C<sub>14</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>S  
 Molecular Weight: 305.35  
 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	hCAI/II/IV-IN-28(WAY-638358) is a potent carbonic anhydrase inhibitor with potential anticonvulsant activity.
Targets(IC50)	Carbonic Anhydrase

## Solubility Information

Solubility	DMSO: 45 mg/mL (147.37 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	3.2749 mL	16.3747 mL	32.7493 mL
5 mM	0.655 mL	3.2749 mL	6.5499 mL
10 mM	0.3275 mL	1.6375 mL	3.2749 mL
50 mM	0.0655 mL	0.3275 mL	0.655 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

Supuran CT, et al. Carbonic anhydrase inhibitors. Part 7Synthesis and ocular pharmacology of a new class of water-soluble, topically effective intraocular pressure lowering sulfonamides incorporating picolinoyl moieties. Eur J Pharm Sci. 1999 Aug;8(4):317-28.

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