

## Deltasonamide 2 hydrochloride

## Chemical Properties

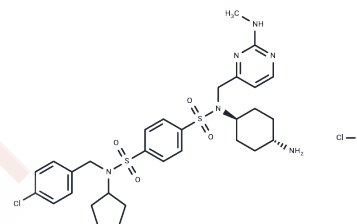
CAS No. :

Formula: C<sub>30</sub>H<sub>40</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>4</sub>S<sub>2</sub>

Molecular Weight: 683.71

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                | Deltasonamide 2 hydrochloride is a competitive high-affinity PDE $\delta$ inhibitor with a K <sub>d</sub> of approximately 385 pM. |
| Targets(IC <sub>50</sub> ) | PDE  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 150 mg/mL (219.39 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4626 mL | 7.313 mL  | 14.6261 mL |
| 5 mM  | 0.2925 mL | 1.4626 mL | 2.9252 mL  |
| 10 mM | 0.1463 mL | 0.7313 mL | 1.4626 mL  |
| 50 mM | 0.0293 mL | 0.1463 mL | 0.2925 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

Klein CH, et al. PDE $\delta$  inhibition impedes the proliferation and survival of human colorectal cancer cell lines harboring oncogenic KRAs. Int J Cancer. 2019 Feb 15;144(4):767-776.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481