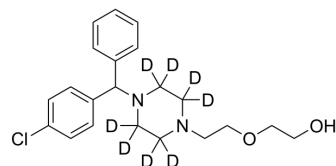


## Hydroxyzine-d<sub>8</sub>

|                    |  |       |          |
|--------------------|--|-------|----------|
| Cat. No.:          | HY-B0548S1   |       |          |
| CAS No.:           | 1189480-47-4   |       |          |
| Molecular Formula: | C <sub>21</sub> H <sub>19</sub> D <sub>8</sub> ClN <sub>2</sub> O <sub>2</sub> |       |          |
| Molecular Weight:  | 382.95   |       |          |
| Target:            | Histamine Receptor   |       |          |
| Pathway:           | GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling                    |       |          |
| Storage:           | Powder   | -20°C | 3 years  |
|                    | In solvent   | -80°C | 6 months |
|                    |  | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : ≥ 10 mg/mL (26.11 mM)  
 \* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent<br>Concentration | Mass      |            |            |
|---------------------------|--------------------------|-----------|------------|------------|
|                           |                          | 1 mg      | 5 mg       | 10 mg      |
|                           | 1 mM                     | 2.6113 mL | 13.0565 mL | 26.1131 mL |
|                           | 5 mM                     | 0.5223 mL | 2.6113 mL  | 5.2226 mL  |
|                           | 10 mM                    | 0.2611 mL | 1.3057 mL  | 2.6113 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Hydroxyzine-d<sub>8</sub> is deuterium labeled Hydroxyzine. Hydroxyzine is a histamine H<sub>1</sub>-receptor antagonist[1].

#### IC<sub>50</sub> & Target

H<sub>1</sub> Receptor

### REFERENCES

[1]. Minogiannis, P., et al., Hydroxyzine inhibits neurogenic bladder mast cell activation. Int J Immunopharmacol, 1998. 20(10): p. 553-63.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA