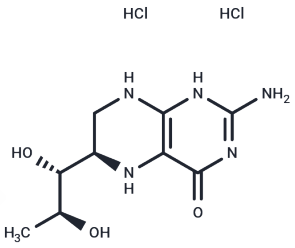
# Data Sheet (Cat.No.T7117)

TargetMol

## Sapropterin dihydrochloride

### Chemical Properties




CAS No. : 69056-38-8

Formula: C9H17Cl2N5O3

Molecular Weight: 314.17

Storage: Store under nitrogen,Store at low temperature
Powder: -20°C for 3 years
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Sapropterin dihydrochloride (6R-BH4 dihydrochloride) is phenylalanine hydroxylase agonist that is approved for the treatment of BH4 responsive PKU. |
| Targets(IC50) | Endogenous Metabolite,Hydroxylase |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 123.75 mg/mL (393.9 mM),Sonication is recommended.<br>H2O: 260 mg/mL (827.58 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.183 mL | 15.915 mL | 31.8299 mL |
| 5 mM | 0.6366 mL | 3.183 mL | 6.366 mL |
| 10 mM | 0.3183 mL | 1.5915 mL | 3.183 mL |
| 50 mM | 0.0637 mL | 0.3183 mL | 0.6366 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

Vanoxerine, a New Drug for Terminating Atrial Fibrillation and Flutter[J]. J Cardiovasc Electrophysiol, 2010, 21(3): 311-319.

Winn S R , Scherer T , Beat Thöny, et al. High dose sapropterin dihydrochloride therapy improves monoamine neurotransmitter turnover in murine phenylketonuria (PKU)[J]. Molecular Genetics and Metabolism, 2015, 117(1):5-11.



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