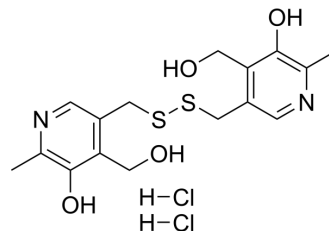


## Pyrithioxin dihydrochloride

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-B0910A  |
| <b>CAS No.:</b>           | 10049-83-9   |
| <b>Molecular Formula:</b> | C <sub>16</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>                                   |
| <b>Molecular Weight:</b>  | 441.39   |
| <b>Target:</b>            | Endogenous Metabolite  |
| <b>Pathway:</b>           | Metabolic Enzyme/Protease  |
| <b>Storage:</b>           | 4°C, sealed storage, away from moisture<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



### SOLVENT & SOLUBILITY

|   |   |                      |             |             |             |              |
|---|---|----------------------|-------------|-------------|-------------|--------------|
| <b>In Vitro</b>   | DMSO : 66.67 mg/mL (151.05 mM; Need ultrasonic)   |                      |             |             |             |              |
|   | H <sub>2</sub> O : 50 mg/mL (113.28 mM; Need ultrasonic)  |                      |             |             |             |              |
|   | <b>Preparing Stock Solutions</b>  | <b>Solvent</b>       | <b>Mass</b> | <b>1 mg</b> | <b>5 mg</b> | <b>10 mg</b> |
|   |   | <b>Concentration</b> |             |             |             |              |
|   |   | <b>1 mM</b>          |             | 2.2656 mL   | 11.3279 mL  | 22.6557 mL   |
| <b>5 mM</b>   |   |                      | 0.4531 mL   | 2.2656 mL   | 4.5311 mL   |              |
|   | <b>10 mM</b>  |                      | 0.2266 mL   | 1.1328 mL   | 2.2656 mL   |              |
| Please refer to the solubility information to select the appropriate solvent. |   |                      |             |             |             |              |
| <b>In Vivo</b>  | 1. Add each solvent one by one: PBS<br>Solubility: 11.11 mg/mL (25.17 mM); Clear solution; Need ultrasonic and adjust pH to 1 with 1M HCl |                      |             |             |             |              |

### BIOLOGICAL ACTIVITY

|                                     |   |
|-------------------------------------|---|
| <b>Description</b>                  | Pyrithioxin dihydrochloride is a neurodynamic compound, combined with a short period of hyperventilation (HV) was applied in cerebral infarct patients with Hemiplegia. |
| <b>IC<sub>50</sub> &amp; Target</b> | Human Endogenous Metabolite   |

### REFERENCES

[1]. Stoica E, et al. Facilitation through hyperventilation of therapeutic effect of pyrithioxin in cerebral infarct patients. Eur Neurol. 1975;13(4):285-303.

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

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