Pyrithioxin dihydrochloride

Cat. No.: HY-B0910A

CAS No.: 10049-83-9

Molecular Formula: $C_{16}H_{22}Cl_2N_2O_4S_2$

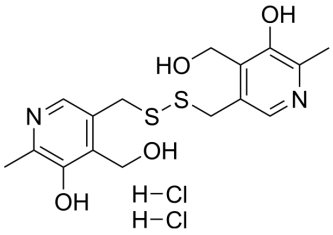
Molecular Weight: 441.39

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 66.67 mg/mL (151.05 mM; Need ultrasonic)

H_2O : 50 mg/mL (113.28 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.2656 mL	11.3279 mL	22.6557 mL
5 mM	0.4531 mL	2.2656 mL	4.5311 mL
10 mM	0.2266 mL	1.1328 mL	2.2656 mL

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

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 11.11 mg/mL (25.17 mM); Clear solution; Need ultrasonic and adjust pH to 1 with 1M HCl

BIOLOGICAL ACTIVITY

Description

Pyrithioxin dihydrochloride is a neurodynamic compound, combined with a short period of hyperventilation (HV) was applied in cerebral infarct patients with Hemiplegia.

IC_{50} & Target

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.

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

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