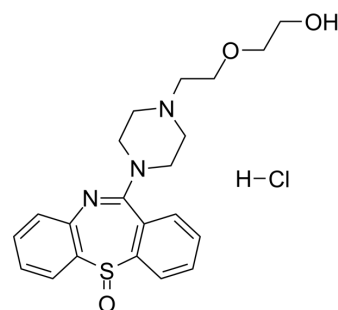


Quetiapine sulfoxide hydrochloride

Cat. No.:	HY-G0014B
CAS No.:	2448341-72-6
Molecular Formula:	C ₂₁ H ₂₆ ClN ₃ O ₃ S
Molecular Weight:	435.97
Target:	Drug 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)



BIOLOGICAL ACTIVITY

Description	Quetiapine sulfoxide hydrochloride (Quetiapine S-oxide hydrochloride) is a main metabolite of Quetiapine. Quetiapine is a second-generation antipsychotic ^[1] . Quetiapine is a 5-HT receptors agonist and a dopamine receptor antagonist ^[2] .
In Vivo	The C _{max} value (mean±SD) is estimated for Quetiapine sulfoxide (77.3±32.4 ng/mL). The AUC _{last} value is estimated for Quetiapine sulfoxide (1,286±458 ng·h/mL). For Quetiapine sulfoxide, metabolic ratio decreases with time, from 119% on average 2 hours after dosing to 30% on average 72 hours after dosing ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Remmerie B, et al. Comparison of Capillary and Venous Drug Concentrations After Administration of a Single Dose of Risperidone, Paliperidone, Quetiapine, Olanzapine, or Aripiprazole. *Clin Pharmacol Drug Dev.* 2016 Nov;5(6):528-537.
- [2]. Cross AJ, et al. Quetiapine and its metabolite norquetiapine: translation from in vitro pharmacology to in vivo efficacy in rodent models. *Br J Pharmacol.* 2016 Jan;173(1):155-66.

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