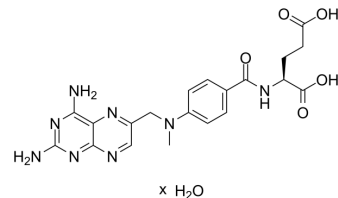


Methotrexate hydrate

Cat. No.:	HY-14519B
CAS No.:	133073-73-1
Molecular Formula:	C ₂₀ H ₂₂ N ₈ O ₅ ·xH ₂ O
Target:	Antibiotic; Bacterial; Biochemical Assay Reagents
Pathway:	Anti-infection; Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (ultrasonic and warming and heat to 60°C)
----------	---

BIOLOGICAL ACTIVITY

Description	Methotrexate hydrate is a substance that affects cell growth and division. It is commonly used to fight certain diseases, especially cancer and autoimmune diseases. It works by inhibiting the process by which cells synthesize DNA.
In Vitro	Methotrexate (hydrate) is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- J Clin Invest. 2023 May 30;e169993.
- Small. 2022 Jul;18(30):e2202337.
- EMBO Mol Med. 2022 Feb 17;e14552.
- J Nanobiotechnology. 2024 Mar 3;22(1):89.
- Cell Death Dis. 2020 Nov 12;11(11):976.

See more customer validations on www.MedChemExpress.com

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