Product Information

Methotrexate hydrate

Catalog Number A6770
Storage Temperature –20 °C

CAS RN 133073-73-1
Synonyms: (+)-Amethopterin hydrate, amethopterin, methylaminopterin, 4-amino-10-methylfolic acid, 4-amino-N10-methylpteroylglutamic acid, antifolan, N-bismethylpteroylglutamic acid, MTX

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions
Methotrexate is insoluble in water, ethanol, chloroform, and ether. It is, however, soluble in solutions of mineral acids and in dilute solutions of alkali hydroxides and carbonates. Methotrexate is unstable in basic solution.

For cell culture work, a stock solution of methotrexate is prepared using a minimum amount of 1 M NaOH and then diluted with saline or medium. The diluted stock remains active at 4–8 °C for about a week or at –20 °C for about a month.

Storage/Stability
Store the product at –20 °C. Protection from light for long-term storage has been suggested. When stored at –20 °C, methotrexate remains active for at least three years.

References