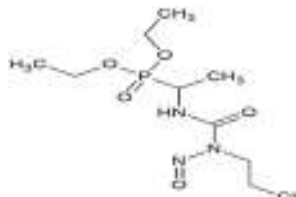


Fotemustine

ALTERNATE NAME: Muphoran
Mustophoran
Diethyl (1-(3-(2-chloroethyl)-3-nitrosoureido)ethyl)phosphonate

CATALOG #: B2648-5 5 mg
B2648-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₉H₁₉ClN₃O₅P

MOLECULAR WEIGHT: 315.69

CAS NUMBER: 92118-27-9

APPEARANCE: White to off-white solid

PURITY: ≥98%

SOLUBILITY: >1 mg/ml Water

DESCRIPTION: Fotemustine is a third generation nitrosourea, chloroethylating agent with antineoplastic activity. Fotemustine alkylates guanine by forming chloroethyl adducts at the 6 position of guanine, resulting in N1-guanine and N3-cytosine cross linkages, inhibition of DNA synthesis, cell cycle arrest, and finally apoptosis. Fotemustine is lipophilic and crosses the blood-brain barrier.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Bendamustine Hydrochloride (B1596)
Prexasertib mesylate (B2067)
Mitoxantrone (1885)
Ethynylcytidine (B1266)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*