

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

Product Datasheet

Gemcitabine HCl, CAS [[122111-03-9]] FBM-10-2140

Artikelname	Gemcitabine HCl, CAS [[122111-03-9]]
Artikelnummer	FBM-10-2140
Hersteller Artikelnummer	10-2140
Alternativnummer	FBM-10-2140-10MG,FBM-10-2140-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	DNA polymerase inhibitor...
Molekulargewicht	299.66
Reinheit	98%
Formulierung	White solid
CAS Nummer	[122111-03-9]
Formel	C ₉ H ₁₁ F ₂ N ₃ O ₄ HCl

Anwendungsbeschreibung	Gemcitabine is a clinically useful anticancer agent.¹ It exerts its cytotoxic effects via the metabolites gemcitabine diphosphate (dFdCDP) and gemcitabine triphosphate (dFdCTP). dFdCTP is an inhibitor of DNA polymerase and is also incorporated in DNA strands resulting in termination of chain elongation and apoptosis. dFdCDP is an inhibitor of ribonucleotide reductase which results in depletion of deoxyribonucleotides needed for DNA synthesis. Gemcitabine metabolites have also been reported to inhibit cytidine triphosphate synthetase (CTP synthetase)² and deoxycytidylate deaminase (dCMP deaminase)³. Topoisomerase 1 has also been shown to be a target for gemcitabine.⁴
------------------------	---