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Product Datasheet

5-Fluorouracil, CAS [[51-21-8]] FBM-10-1276

Artikelname	5-Fluorouracil, CAS [[51-21-8]]
Artikelnummer	FBM-10-1276
Hersteller Artikelnummer	10-1276
Alternativnummer	FBM-10-1276-250MG,FBM-10-1276-1G
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Thymidylate synthase inhibitor...
Molekulargewicht	130.08
Reinheit	98%
Formulierung	White solid
CAS Nummer	[51-21-8]
Formel	C ₄ H ₃ FN ₂ O ₂
Anwendungsbeschreibung	5-Fluorouracil (5-FU) is a clinically useful anticancer agent that acts via irreversible inhibition of thymidylate synthase. The active metabolites of 5-FU are 5-Fluorodeoxyuridylate (5-FdUMP), 5-Fluorodeoxyuridine triphosphate (5-FdUTP) and 5-Fluorouridine triphosphate (5-FUTP). The primary cytotoxic effect of 5-FU is believed to be inhibition of thymidylate synthase by 5-FdUMP. Secondary effects include incorporation of 5-FdUTP into DNA resulting in DNA strand breaks and incorporation of 5-FUTP into RNA causing abnormal RNA processing. ¹