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## Product Datasheet

### Trifluorothymidine, CAS [[70-00-8]] FBM-10-1283

Article Name	Trifluorothymidine, CAS [[70-00-8]]
Biozol Catalog Number	FBM-10-1283
Supplier Catalog Number	10-1283
Alternative Catalog Number	FBM-10-1283-50MG,FBM-10-1283-250MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Thymidylate synthase inhibitor, Anti-cancer agent...
Molecular Weight	296.20
Purity	98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[70-00-8]
Formula	C10H11F3N2O5
Application Notes	An analog of thymidine which inhibits thymidylate synthase possesses antiviral and anticancer activity. <sup>1,2</sup> After phosphorylation by thymidine kinase, it is incorporated into DNA where it induces DNA-damage and interferes with repair enzymes. <sup>3</sup> Enhances frame shift insertion and deletion in CRISPR genome editing in pluripotent stem cells. <sup>4</sup>