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## Product Datasheet

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

|                          |                                                                                                                                                                                                                                                                                                                                                                                         |
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| Artikelname              | Trifluorothymidine, CAS [[70-00-8]]                                                                                                                                                                                                                                                                                                                                                     |
| Artikelnummer            | FBM-10-1283                                                                                                                                                                                                                                                                                                                                                                             |
| Hersteller Artikelnummer | 10-1283                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternativnummer         | FBM-10-1283-50MG,FBM-10-1283-250MG                                                                                                                                                                                                                                                                                                                                                      |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                      |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                          |
| Produktbeschreibung      | Thymidylate synthase inhibitor, Anti-cancer agent...                                                                                                                                                                                                                                                                                                                                    |
| Molekulargewicht         | 296.20                                                                                                                                                                                                                                                                                                                                                                                  |
| Reinheit                 | 98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                             |
| Formulierung             | Off-white solid                                                                                                                                                                                                                                                                                                                                                                         |
| CAS Nummer               | [70-00-8]                                                                                                                                                                                                                                                                                                                                                                               |
| Formel                   | C10H11F3N2O5                                                                                                                                                                                                                                                                                                                                                                            |
| Anwendungsbeschreibung   | 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> |