

Catalog	Unit
TBI1266-200MG	200 mg
TBI1266-1G	1 g

Product Details

Formal Name: 2,3'-Didehydro-3'-deoxy-thymidine

Alternate Names: BMY 27857; d4T

Molecular Formula: C₁₀H₁₂N₂O₄

Formula Weight: 224.20

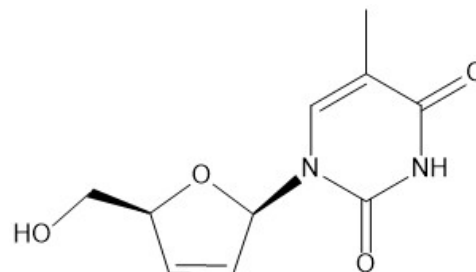
CAS Number: 3056-17-5

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml), or in Water (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

HIV reverse transcriptase inhibitor; NLRP3 inflammasome inhibitor

Functions

Thymidine derivative that acts as an HIV nucleoside reverse transcriptase inhibitor (NRTI) (EC₅₀ = 8.8 nM for HIV-1 replication in human PBMCs). Down-modulates P2X7-mediated NLRP3 inflammasome activation independent of reverse transcriptase inhibition. Reduces production of IL-18 and caspase-1 and stimulates Aβ-induced autophagy in macrophages.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), or in Water (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20°C for up to 1 month.

For research use only.