

Catalog	Unit
TBI2412 - 10MG	10 mg
TBI2412 - 50MG	50 mg

Product Details

Formal Name: 5-Aza-2'-deoxycytidine.

Alternate Name: NSC-127716

Molecular Formula: C₈H₁₂N₄O₄.

Formula Weight: 228.21.

CAS Number: 2353-33-5

Purity: ≥98%

Formulation: Powder.

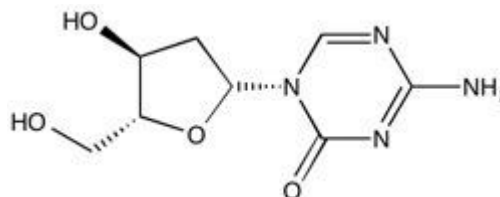
Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 11 mg/ml).

Storage: -20°C.

Stability: ≥ 2 years.

Applications

DNA methylation
Chromatin analysis
DNA repair



Functions

Inhibits DNA methyltransferase. Induces demethylation and reactivation of silenced genes. Increases stem cell reprogramming efficiency. Stimulates osteogenic differentiation of human bone marrow stromal cells. Antitumor agent. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2614	ZVAD-FMK, Pan-caspase inhibitor
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI1368	Pepstatin, Aspartic protease inhibitor
TBI1060	Imatinib, Bromodomain inhibitor

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