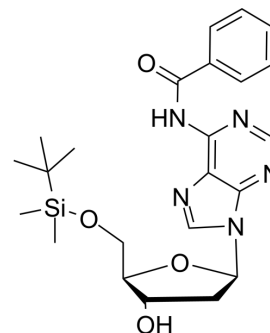


5'-O-TBDMS-Bz-dA

| | |
|---------------------------|--|
| Cat. No.: | HY-138595 |
| CAS No.: | 51549-39-4 |
| Molecular Formula: | C ₂₃ H ₃₁ N ₅ O ₄ Si |
| Molecular Weight: | 469.61 |
| Target: | DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog |
| Pathway: | Cell Cycle/DNA Damage |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|--|----------------------|-------------|-------------|-------------|--------------|
| In Vitro | DMSO : 100 mg/mL (212.94 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | Solvent | Mass | 1 mg | 5 mg | 10 mg |
| | | Concentration | | | | |
| | | 1 mM | | 2.1294 mL | 10.6471 mL | 21.2943 mL |
| | | 5 mM | | 0.4259 mL | 2.1294 mL | 4.2589 mL |
| | 10 mM | | 0.2129 mL | 1.0647 mL | 2.1294 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | <ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.32 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.32 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.32 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | 5'-O-TBDMS-Bz-dA is a nucleoside with protective and modification effects. |
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA