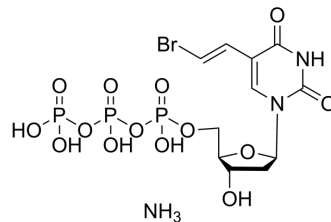


BVDU 5'-Triphosphate ammonium

Cat. No.: HY-W747737A
Molecular Formula: C₁₁H₁₉BrN₃O₁₄P₃
Molecular Weight: 590.11
Target: HSV
Pathway: Anti-infection
Storage: -20°C, stored under nitrogen, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (423.65 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.6946 mL	8.4730 mL	16.9460 mL
	5 mM		0.3389 mL	1.6946 mL	3.3892 mL
	10 mM		0.1695 mL	0.8473 mL	1.6946 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BVDU 5'-Triphosphate ammonium is an antiviral agent with 5'-Triphosphate label, targeting viral DNA polymerase. BVDU 5'-Triphosphate ammonium shows excellent selectivity against varicella-zoster virus (VZV) and herpes simplex virus type 1 (HSV-1), due to a specific phosphorylation by the virus-encoded thymidine kinase.

REFERENCES

[1]. De Clercq E. Discovery and development of BVDU (brivudin) as a therapeutic for the treatment of herpes zoster. *Biochem Pharmacol.* 2004 Dec 15;68(12):2301-15.

Caution: Product has not been fully validated for medical applications. For research use only.

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