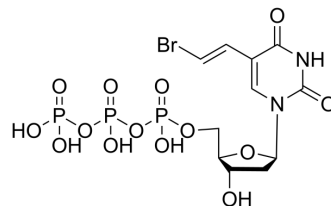


## BVDU 5'-Triphosphate

Cat. No.:	HY-W747737
CAS No.:	77222-61-8
Molecular Formula:	C <sub>11</sub> H <sub>16</sub> BrN <sub>2</sub> O <sub>14</sub> P <sub>3</sub>
Molecular Weight:	573.08
Target:	DNA/RNA Synthesis; HSV
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

BVDU 5'-Triphosphate is an antiviral agent with 5'-Triphosphate label, targeting viral DNA polymerase. BVDU 5'-Triphosphate 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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