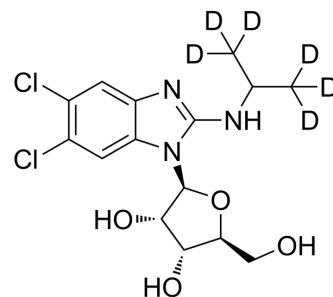


Maribavir-d₆

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-16305S | | |
| Molecular Formula: | C ₁₅ H ₁₃ D ₆ Cl ₂ N ₃ O ₄ | | |
| Molecular Weight: | 382.27 | | |
| Target: | Isotope-Labeled Compounds | | |
| Pathway: | Others | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (261.60 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Mass | | | |
|---------------|-----------|------------|------------|--|
| | 1 mg | 5 mg | 10 mg | |
| 1 mM | 2.6160 mL | 13.0798 mL | 26.1595 mL | |
| 5 mM | 0.5232 mL | 2.6160 mL | 5.2319 mL | |
| 10 mM | 0.2616 mL | 1.3080 mL | 2.6160 mL | |

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

BIOLOGICAL ACTIVITY

Description

Maribavir-d₆ (1263W94-d₆) is a deuterium labeled Maribavir (HY-16305). Maribavir is a potent inhibitor of histone phosphorylation catalyzed by wild-type pUL97 in vitro, with an IC₅₀ of 3 nM^[1].

REFERENCES

[1]. Biron KK, et al. Potent and selective inhibition of human cytomegalovirus replication by 1263W94, a benzimidazole L-riboside with a unique mode of action. Antimicrob Agents Chemother. 2002 Aug;46(8):2365-72.

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

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