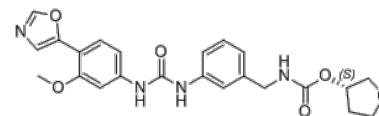


**Product Name** : Merimepodib  
**Cat. No.** : PC-35011  
**CAS No.** : 198821-22-6  
**Molecular Formula** : C<sub>23</sub>H<sub>24</sub>N<sub>4</sub>O<sub>6</sub>  
**Molecular Weight** : 452.467  
**Target** : IMPDH  
**Solubility** : 10 mM in DMSO



## Biological Activity

Merimepodib (VX-497, VI-21497, MMPD) is a potent, selective, reversible, uncompetitive **IMPDH** inhibitor with broad-spectrum antiviral activity.

Merimepodib inhibits HBV, HCMV, RSV and HSV-1 with IC<sub>50</sub> of 0.4, 0.8, 1.1 and 6.3 uM, also inhibits BVDV, VEEV, Coxsackie B3 and Dengue virus with IC<sub>50</sub> at low uM level.

Merimepodib is 17- to 186-fold more potent than ribavirin against HBV, HCMV, RSV, HSV-1, parainfluenza-3 virus, EMCV, and VEEV infections in cultured cells, also demonstrates additivity when coapplied with IFN-α.

## References

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 Decker CJ, et al. *Drugs Exp Clin Res.* 2001;27(3):89-95.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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