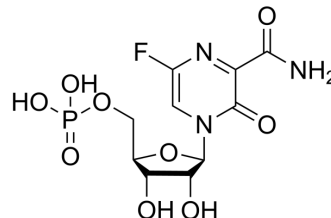


T-705RMP

Cat. No.:	HY-136498
CAS No.:	356783-08-9
Molecular Formula:	C ₁₀ H ₁₃ FN ₃ O ₉ P
Molecular Weight:	369.2
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	T-705RMP, a phosphorylated metabolite of T-705, exhibits a very weak inhibitory effect on the IMP dehydrogenase (IMPDH) activities of the host cells, with an IC ₅₀ of 601 μM ^[1] .
In Vitro	T-705 can be converted to T-705RMP and T-705RTP by cellular kinases; Host cell enzymes can differentiate T-705, T-705RMP, and T-705RTP from the natural nucleotides. The level of inhibition of IMPDH by T-705RMP is about 150-fold weaker than that by Ribavirin monophosphate, and it became apparent that the antiviral effect of T-705 is not a result of the inhibition of the cellular enzyme ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Furuta Y, et al. Mechanism of action of T-705 against influenza virus. *Antimicrob Agents Chemother.* 2005;49(3):981-986.

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

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