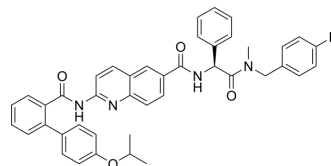


PF-02575799

Cat. No.:	HY-100333
CAS No.:	863491-70-7
Molecular Formula:	C ₄₂ H ₃₇ FN ₄ O ₄
Molecular Weight:	680.77
Target:	Microsomal Triglyceride Transfer Protein (MTP)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PF-02575799 is a microsomal triglyceride transfer protein (MTP) inhibitor with an IC ₅₀ of 0.77±0.29 nM.
IC₅₀ & Target	IC ₅₀ : 0.77±0.29 nM (MTP) ^[1]
In Vitro	PF-02575799 is compound 13 from the reference ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PF-02575799 produces appreciable triglyceride effects at its minimally effective dose (10 mg/kg). PF-02575799 significant increase alanine transaminase at 100 mg/kg ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Animal Administration ^[1]	Rats ^[1] Spray-dried dispersions formulated PF-02575799 is tested in a seven-day rat model. Food intake, body weight, liver TG, as well as serum alanine transaminase (ALT) are measured. In the definitive study, dose effect relationships are examined (PF-02575799 1, 3, 10, 30 and 100 mg/kg q.d.) and systemic exposures are measured ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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REFERENCES

[1]. Robinson RP, et al. Discovery of microsomal triglyceride transfer protein (MTP) inhibitors with potential for decreased active metabolite load compared to dirlotapide. *Bioorg Med Chem Lett*. 2011 Jul 15;21(14):4150-4.

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

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