GSK1790627

Cat. No.: HY-148507

CAS No.: 871701-87-0

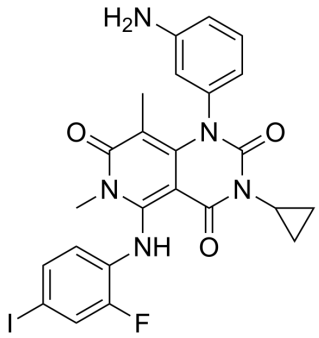
Molecular Formula: $C_{24}H_{21}FIN_5O_3$

Molecular Weight: 573.36

Target: MEK

Pathway: MAPK/ERK Pathway

Storage: -20°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMF : 10 mg/mL (17.44 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7441 mL	8.7205 mL	17.4410 mL
	5 mM	0.3488 mL	1.7441 mL	3.4882 mL
	10 mM	0.1744 mL	0.8721 mL	1.7441 mL

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

BIOLOGICAL ACTIVITY

Description

GSK1790627 is the N-deacetylated metabolite of Trametinib (HY-10999). Trametinib is an orally active MEK inhibitor, and activates autophagy and induces apoptosis[1].

In Vitro

GSK1790627 (1, 10 and 50 μM, 60 min) is stable in the presence of recombinant hNAT enzymes[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ho MY, et al. Trametinib, a first-in-class oral MEK inhibitor mass balance study with limited enrollment of two male subjects with advanced cancers. Xenobiotica. 2014 Apr;44(4):352-68.

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

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