



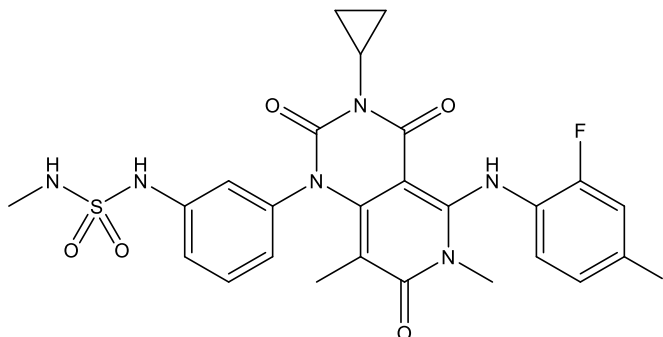
Catalog #10-3961

Trametigluce

CAS# 2666940-97-0

N-(3-(3-Cyclopropyl-5-((2-fluoro-4-iodophenyl)amino)-6,8-dimethyl-2,4,7-trioxo-3,4,6,7-tetrahydropyrido[4,3-d]pyrimidin-1(2H-yl)phenyl)methylaminosulfonamide; APS-9-95-1

Lot # FBA9281



Trametigluce is a trametinib analog that inhibits both KSR- and RAF-bound MEK and limits adaptive resistance seen with trametinib *via* enhanced interfacial binding. Displays significantly enhanced inhibition of RAS/ERK signaling versus trametinib in various cell lines with mutant KRAS and BRAF: IC₅₀'s/cell line – SK-MEL-239/0.47 nM; HCT116/0.07 nM; A549/0.12 nM; A375/0.07 nM. A molecular glue that is strongly selective towards MEK with no direct interaction with BRAF or CRAF.

1) Khan *et al.* (2020), *Structural basis for the action of the drug trametinib at KSR-bound MEK*; Nature **588** 509

PHYSICAL DATA

Molecular Weight:	666.47
Molecular Formula:	C ₂₅ H ₂₄ FIN ₆ O ₅ S
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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