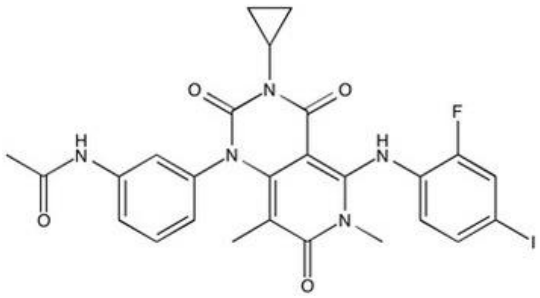
Tribioscience

Trametinib, MEK inhibitor

Catalog	Unit
TBI4759-10MG	10 mg
TBI4759-50MG	50 mg

Product Details

Formal Name: N-{3-[3-Cyclopropyl-5-(2-fluoro-4-iodophenylamino)-6,8-dimethyl-2,4,7-trioxo-3,4,6,7-tetrahydro-2H-pyrido[4,3-d]pyrimidin-1-yl]phenyl}acetamide
Alternate Names: GSK1120212; JTP-74057
Molecular Formula: $C_{26}H_{23}FIN_5O_4$
Formula Weight: 615.40
CAS Number: 871700-17-3
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 20 mg/ml with warming)
Storage: -20°C
Stability: ≥ 1 year.



Applications

MEK inhibitor

Functions

Trametinib is a highly potent (IC50 uMEK1 = 0.7 nM, pp-MEK1 = 14.9 nM) and selective MEK inhibitor displaying selective inhibition of proliferation in various BRAF mutant cancer cell lines (IC50 ACHN = 9.8 nM; IC50 HT-29 = 0.57 nM). It is approved for use against unresectable or metastatic BRAF-mutant melanoma alone or in combination with Dabrafenib. Trametinib can limit outgrowth of tumors without directly inhibiting tumor cell proliferation via abrogation of cytokine-driven expansion of monocytic myeloid-derived suppressor cells (mMDSC) through a mechanism involving CD8+ T cells. Trametinib also displays potent anti-arthritic effects.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.

Tribioscience, Inc. | 365 San Aleso Ave, Sunnyvale, CA 94085 | Phone: 408-498-0197
info@tribioscience.com Fax: 650-618-5498 www.tribioscience.com