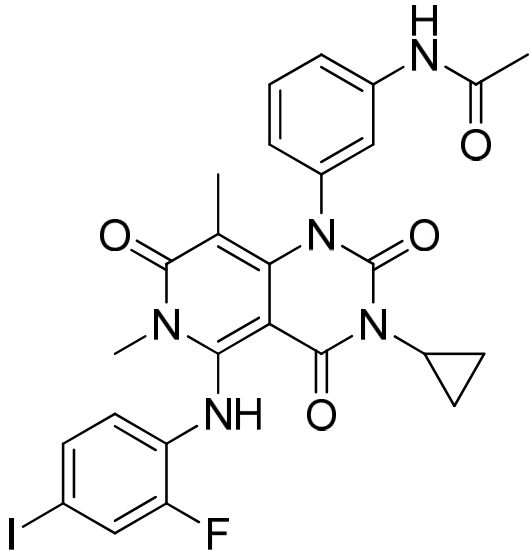
GSK1120212

SYN-1170



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)acetamide

CAS Registry No.: 871700-17-3

Smiles String:
Cc1c2c(c(n(c1=O)C)Nc3ccc(cc3F)I)c(=O)n(c(=O)n2c4cccc(c4)NC(=O)C)C5CC5

Molecular Weight: 615.4

Molecular Formula: C26H23FIN5O4

Lot Number: Refer to vial

1H-NMR: Available on request

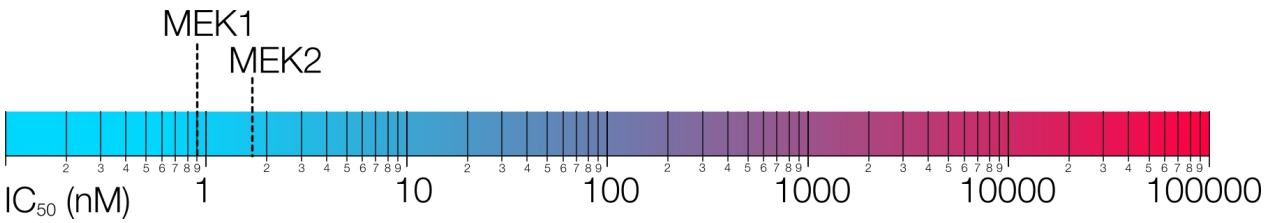
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

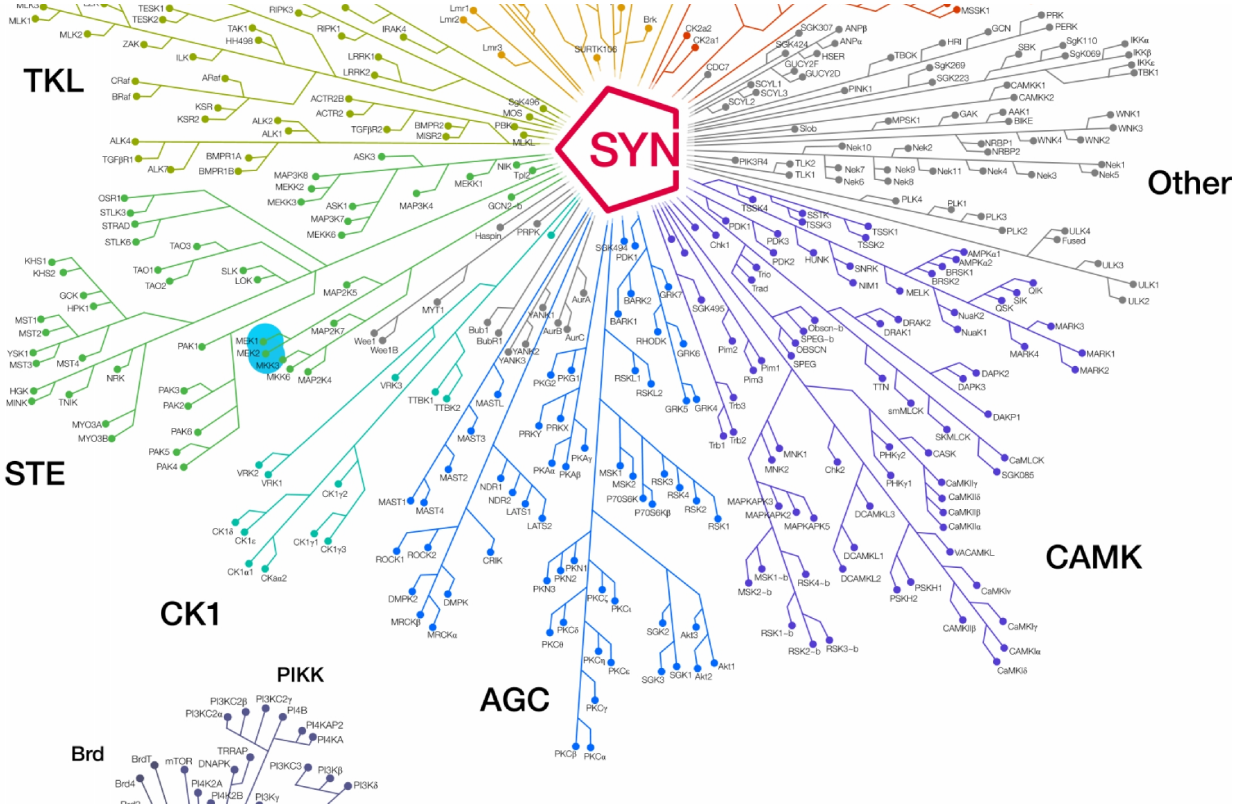
Description:

GSK1120212 (JTP-74057, trametinib) is a highly specific and potent MEK1 and MEK2 inhibitor with IC50 values of 0.92 nM and 1.8 nM respectively.

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

DMSO 100mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.6154	6.1540	12.3080	30.7700

References

1. Gilmartin AG, Bleam MR, Groy A, Moss KG, Minthorn EA, Kulkarni SG, Rominger CM, Erskine S, Fisher KE, Yang J, Zappacosta F, Annan R, Sutton D, Laquerre SG. GSK1120212 (JTP-74057) is an inhibitor of MEK activity and activation with favorable pharmacokinetic properties for sustained in vivo pathway inhibition. Clin Cancer Res. 2011 Mar 1;17(5):989-1000. doi: 10.1158/1078-0432.CCR-10-2200. Epub 2011 Jan 18. Erratum in: Clin Cancer Res. 2012 Apr 15;18(8):2413. PubMed PMID: 21245089.

Ordering Information

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