

Tpl2-IN-1

Chemical Properties

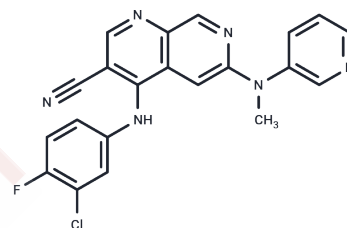
CAS No. : 915009-13-1

Formula: C₂₁H₁₄ClFN₆

Molecular Weight: 404.83

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tpl2-IN-1 is an inhibitor of tumour progression locus 2 (Tpl2) kinase.
Targets(IC50)	Others,MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4702 mL	12.3509 mL	24.7017 mL
5 mM	0.494 mL	2.4702 mL	4.9403 mL
10 mM	0.247 mL	1.2351 mL	2.4702 mL
50 mM	0.0494 mL	0.247 mL	0.494 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang Y, Wang S, Kelly CP, Feng H, Greenberg A, Sun X. TPL2 is a key regulator of intestinal inflammation in *C. difficile* infection. *Infect Immun*. 2018 May 29. pii: IAI.00095-18. doi: 10.1128/IAI.00095-18. [Epub ahead of print] PubMed PMID: 29844241.

Alsina-Beauchamp D, Escós A, Fajardo P, González-Romero D, Díaz-Mora E, Risco A, Martín-Serrano MA, Del Fresno C, Dominguez-Andrés J, Aparicio N, Zur R, Shpiro N, Brown GD, Ardavin C, Netea MG, Alemany S, Sanz-Ezquerro JJ, Cuenda A. Myeloid cell deficiency of p38 γ /p38 δ protects against candidiasis and regulates antifungal immunity. *EMBO Mol Med*. 2018 May;10(5). pii: e8485. doi: 10.15252/emmm.201708485. PubMed PMID: 29661910; PubMed Central PMCID: PMC5938613.

Chorzalska A, Ahsan N, Rao RSP, Roder K, Yu X, Morgan J, Tepper A, Hines S, Zhang P, Treaba DO, Zhao TC, Olszewski AJ, Reagan JL, Liang O, Gruppuso PA, Dubielecka PM. Overexpression of Tpl2 is linked to imatinib resistance and activation of MEK-ERK and NF- κ B pathways in a model of chronic myeloid leukemia. *Mol Oncol*. 2018 May;12(5):630-647. doi: 10.1002/1878-0261.12186. Epub 2018 Apr 6. PubMed PMID: 29485707; PubMed Central PMCID: PMC5928369.

Senger K, Pham VC, Varfolomeev E, Hackney JA, Corzo CA, Collier J, Lau VWC, Huang Z, Hamidzhadeh K, Caplazi P, Peng I, Setiadi AF, Francis R, Paler-Martinez A, Kwon YC, Ramirez-Carrozzi V, Sun Y, Grigg PW, Roose-Girma M, Jeet S, Barck KH, Pham A, Ota N, Ha C, Stinson J, Guillory J, Tam L, Modrusan Z, Emson C, McKenzie BS, Townsend MJ, Carano RAD, Warming S, Vucic D, DeVoss J, Lee WP, Lill JR, Zarrin AA. The kinase TPL2 activates ERK and p38 signaling to promote neutrophilic inflammation. *Sci Signal*. 2017 Apr 18;10(475). pii: eaah4273. doi: 10.1126/scisignal.aah4273. PubMed PMID: 28420753.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481