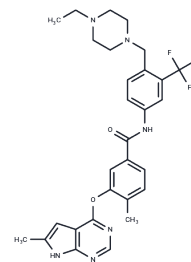


## TAK1/MAP4K2 inhibitor 1

## Chemical Properties

CAS No. :	1315330-11-0
Formula:	C29H31F3N6O2
Molecular Weight:	552.59
Appearance:	no data available
Storage:	keep away from direct sunlight,store at low temperature
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	TAK1/MAP4K2 inhibitor 1 (compound 5) is a dual kinase inhibitor of TAK1 and MAP4K2 with IC <sub>50</sub> values of 41.1 nM and 18.2 nM, respectively.
Targets(IC <sub>50</sub> )	MAPK
In vitro	TAK1/MAP4K2 inhibitor 1 is a highly potent dual inhibitor targeting both TGFβ-activated kinase 1 (TAK1) and MAP kinase kinase kinase kinase 2 (MAP4K2), with IC <sub>50</sub> values of 41.1nM and 18.2nM, respectively[1].
In vivo	TAK1/MAP4K2 inhibitor 1 (1 mg/kg, iv) has moderate terminal elimination half-life (t <sub>1/2</sub> =2.94 h) in mice.

## Solubility Information

Solubility	DMSO: 40 mg/mL (72.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8097 mL	9.0483 mL	18.0966 mL
5 mM	0.3619 mL	1.8097 mL	3.6193 mL
10 mM	0.181 mL	0.9048 mL	1.8097 mL
50 mM	0.0362 mL	0.181 mL	0.3619 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.

Reference

Tan L, et al. Discovery of type II inhibitors of TGF $\beta$ -activated kinase 1 (TAK1) and mitogen-activated protein kinase kinase kinase 2 (MAP4K2). J Med Chem. 2015 Jan 8;58(1):183-96.

**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:36 Washington Street,Wellesley Hills,MA 02481