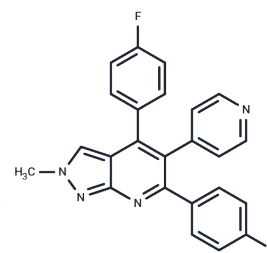


UR13870

## Chemical Properties

CAS No. : 755753-89-0  
 Formula: C<sub>24</sub>H<sub>16</sub>F<sub>2</sub>N<sub>4</sub>  
 Molecular Weight: 398.41  
 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	UR-13870 (Org 48762-0) is an orally active and selective inhibitor of p38 mitogen-activated protein kinase (MAPK), which prevents bone damage in collagen-induced arthritis in mice.
Targets(IC50)	p38 MAPK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.510 mL	12.5499 mL	25.0998 mL
5 mM	0.502 mL	2.510 mL	5.020 mL
10 mM	0.251 mL	1.255 mL	2.510 mL
50 mM	0.0502 mL	0.251 mL	0.502 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

- K Mihara, et al. A potent and selective p38 inhibitor protects against bone damage in murine collagen-induced arthritis: a comparison with neutralization of mouse TNF $\alpha$ . *Br J Pharmacol.* 2008 May;154(1):153-64.
- Galan-Arriero I, et al. Early treatment with UR13870, a novel inhibitor of p38 $\alpha$  mitogen-activated protein kinase, prevents hyperreflexia and anxiety behaviors, in the spared nerve injury model of neuropathic pain. *Neurosci Lett.* 2015 Sep 14;604:69-74.
- Galan-Arriero I, et al. Oral administration of the p38 $\alpha$  MAPK inhibitor, UR13870, inhibits affective pain behavior after spinal cord injury. *Pain.* 2014 Oct;155(10):2188-98. doi: 10.1016/j.pain.2014.08.030. Epub 2014 Aug 29.

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