

PHA-408

## Chemical Properties

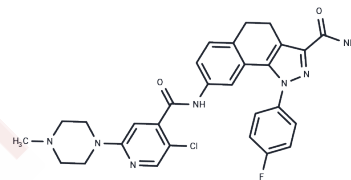
CAS No. : 503555-55-3

Formula: C<sub>29</sub>H<sub>27</sub>ClFN<sub>7</sub>O<sub>2</sub>

Molecular Weight: 560.02

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	PHA-408 is a novel potent, highly selective and ATP-competitive inhibitor of IKK kinase-2.
Targets(IC50)	Others,IKK/IKK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7857 mL	8.9283 mL	17.8565 mL
5 mM	0.3571 mL	1.7857 mL	3.5713 mL
10 mM	0.1786 mL	0.8928 mL	1.7857 mL
50 mM	0.0357 mL	0.1786 mL	0.3571 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

Lai CY, Su YW, Lin KI, Hsu LC, Chuang TH. Natural Modulators of Endosomal Toll-Like Receptor-Mediated Psoriatic Skin Inflammation. *J Immunol Res.* 2017;2017:7807313. doi: 10.1155/2017/7807313. Epub 2017 Aug 13. Review. PubMed PMID: 28894754; PubMed Central PMCID: PMC5574364.

Khan SY, Awad EM, Oszwald A, Mayr M, Yin X, Waltenberger B, Stuppner H, Lipovac M, Uhrin P, Breuss JM. Premature senescence of endothelial cells upon chronic exposure to TNF $\alpha$  can be prevented by N-acetyl cysteine and plumericin. *Sci Rep.* 2017 Jan 3;7:39501. doi: 10.1038/srep39501. PubMed PMID: 28045034; PubMed Central PMCID: PMC5206708.

Carlson CG, Dole E, Stefanski C, Bayless D. The effect of specific IKK $\beta$  inhibitors on the cytosolic expression of I $\kappa$ B- $\alpha$  and the nuclear expression of p65 in dystrophic (MDX) muscle. *Am J Transl Res.* 2015 Apr 15;7(4):670-82. eCollection 2015. PubMed PMID: 26064436; PubMed Central PMCID: PMC4455343.

Li J, Wang X, Zhang F, Yin H. Toll-like receptors as therapeutic targets for autoimmune connective tissue diseases. *Pharmacol Ther.* 2013 Jun;138(3):441-51. doi: 10.1016/j.pharmthera.2013.03.003. Epub 2013 Mar 24. Review. PubMed PMID: 23531543; PubMed Central PMCID: PMC3686650.

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