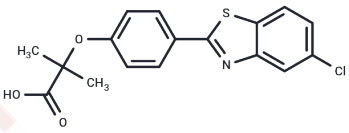
# Data Sheet (Cat.No.T28035)

MHY908

## Chemical Properties



CAS No. : 1393371-39-5

Formula: C17H14ClNO3S

Molecular Weight: 347.82

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 | MHY908, a novel inhibitor of melanogenesis, potently inhibits mushroom tyrosinase activity in a dose-dependent manner. |
| Targets(IC50) | Others,PPAR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.8751 mL | 14.3753 mL | 28.7505 mL |
| 5 mM | 0.575 mL | 2.8751 mL | 5.7501 mL |
| 10 mM | 0.2875 mL | 1.4375 mL | 2.8751 mL |
| 50 mM | 0.0575 mL | 0.2875 mL | 0.575 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

Kim YR, Lee EK, Kim DH, Kim KM, Lee B, An HJ, Park JW, Moon KM, Park MH, Chung KW, Park JY, Kim SJ, Yun HY, Son S, Chun P, Moon HR, Chung HY. PPARα activation by MHY908 attenuates age-related renal inflammation through modulation of the ROS/Akt/FoxO1 pathway. Exp Gerontol. 2017 Jun;92:87-95. doi: 10.1016/j.exger.2017.03.015. Epub 2017 Mar 18. PubMed PMID: 28323024.

Park MH, Kim DH, Kim MJ, Lee EK, An HJ, Jeong JW, Kim HR, Kim SJ, Yu BP, Moon HR, Chung HY. Effects of MHY908, a New Synthetic PPARα/γ Dual Agonist, on Inflammatory Responses and Insulin Resistance in Aged Rats. J Gerontol A Biol Sci Med Sci. 2016 Mar;71(3):300-9. doi: 10.1093/gerona/glv043. Epub 2015 Jul 28. PubMed PMID: 26219845.

Park MH, Kim SJ, Jeong HO, Moon KM, Son S, Kim DH, Kim HR, Kim MJ, Yun HY, Chun P, Je NK, Yokozawa T, Moon HR, Chung HY. Inhibition of melanogenesis by 2-[4-(5-chlorobenzo[d]thiazol-2-yl)phenoxy]-2-methylpropanoic acid (MHY908). Arch Pharm Res. 2015 Apr;38(4):505-11. doi: 10.1007/s12272-014-0532-0. Epub 2014 Dec 14. PubMed PMID: 25502981.

Park MH, Park JY, Lee HJ, Kim DH, Park D, Jeong HO, Park CH, Chun P, Moon HR, Chung HY. Potent anti-diabetic effects of MHY908, a newly synthesized PPAR α/γ dual agonist in db/db mice. PLoS One. 2013 Nov 14;8(11): e78815. doi: 10.1371/journal.pone.0078815. eCollection 2013. PubMed PMID: 24244369; PubMed Central PMCID: PMC3828319.



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