

Y 25510

## Chemical Properties

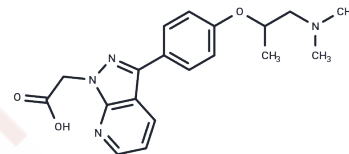
CAS No. : 145194-32-7

Formula: C<sub>19</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 354.4

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	Y 25510 is a biochemical.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 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

Azuma J, Ogura M, Yamamoto I, Hisadome M, Fukuda T, Ikeda Y, Mori H, Oka T, Asano S. The effect of Y-25510 injection on the serum levels of some cytokines in healthy adult volunteers. *Eur J Clin Pharmacol.* 1998 Feb;53(6): 411-9. PubMed PMID: 9551699.

Kusuhara H, Komatsu H, Hisadome M, Ikeda Y. (+/-)-3-[4-(2-dimethylamino-1-methylethoxy)-phenyl]-1H-pyrazolo [3,4- B]pyridine-1-acetic acid (Y-25510) stimulates production of IL-1 beta and IL-6 at the level of messenger RNA expression in cultured human monocytes. *Int J Immunopharmacol.* 1996 Dec;18(12):719-28. PubMed PMID: 9172015.

Hisadome M, Fukuda T, Matsuyuki H, Ikeda Y, Nomoto K. Enhancement of in vivo production of IL-1 alpha and IL-6 in mice by Y-25510, a 1H-pyrazolo[3,4-b]pyridine-1 acetic acid derivative. *Int J Immunopharmacol.* 1996 Jun-Jul;18 (6-7):379-84. PubMed PMID: 9024939.

Hisadome M, Fukuda T, Terasawa M, Oe T, Takahata H, Goto K, Tsuru S, Nomoto K. Enhancement of host defense by Y-25510, (+/-)-3-[4-(2-dimethylamino-1-methylethoxy)phenyl]-1H-pyrazolo[3,4 -b] pyridine-1-acetic acid, a novel synthetic compound. A comparison with recombinant human granulocyte colony-stimulating factor in 5-fluorouracil-treated mice. *Int J Immunopharmacol.* 1992 Oct;14(7):1195-201. PubMed PMID: 1280628.

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