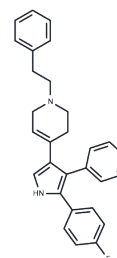


R-130823

## Chemical Properties

CAS No. : 321344-32-5  
 Formula: C<sub>28</sub>H<sub>26</sub>N<sub>3</sub>  
 Molecular Weight: 423.52  
 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	R-130823 is a highly selective inhibitor against mitogen-activated protein kinase p38alpha (IC <sub>50</sub> =22 nM). The release of tumor necrosis factor-alpha, interleukin-1beta, -6 and -8 was inhibited in lipopolysaccharide-stimulated human blood pretreated by R-130823, with IC <sub>50</sub> values of 0.089, 0.066, 0.95 and 0.16 microM, respectively. R-130823 reduced the established hind paw swelling in rat adjuvant-induced arthritis, while methotrexate showed no suppression. In the same model, R-130823 ameliorated adjuvant-induced hyperalgesia with rapid onset and long duration comparable to a cyclooxygenase-2 inhibitor, celecoxib.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3612 mL	11.8058 mL	23.6116 mL
5 mM	0.4722 mL	2.3612 mL	4.7223 mL
10 mM	0.2361 mL	1.1806 mL	2.3612 mL
50 mM	0.0472 mL	0.2361 mL	0.4722 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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