Data Sheet (Cat.No.T69451)



R-130823

Chemical Properties

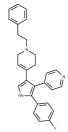
CAS No.: 321344-32-5

Formula: C28H26FN3

Molecular Weight: 423.52

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| Description | R-130823 is a ighly selective inhibition against mitogen-activated protein kinase |
|-------------|---|
| | p38alpha (IC50=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 IC50 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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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