

Pronqodine A

Chemical Properties

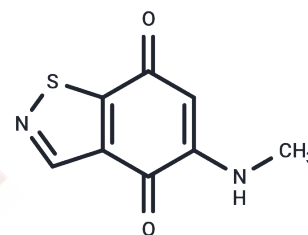
CAS No. : 1424195-39-0

Formula: C₈H₆N₂O₂S

Molecular Weight: 194.21

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	Pronqodine A is a quinone isolated from <i>Streptomyces</i> , known for its enzyme inhibitory and anti-inflammatory properties. It targets NAD(P)H:quinone acceptor oxidoreductase 1 (NQO1; IC ₅₀ = 131.5 nM). In SW 982 human synovial sarcoma cells, it suppresses bradykinin-induced production of prostaglandin E ₂ (PGE ₂), 6-keto PGF ₁ α, and PGD ₂ , with IC ₅₀ values of 9, 19, and 7 nM, respectively, and it also promotes the generation of reactive oxygen species (ROS) in these cells.
Targets(IC ₅₀)	Others,Reductase,IDO,Indoleamine 2,3-Dioxygenase (IDO),ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1491 mL	25.7453 mL	51.4907 mL
5 mM	1.0298 mL	5.1491 mL	10.2981 mL
10 mM	0.5149 mL	2.5745 mL	5.1491 mL
50 mM	0.103 mL	0.5149 mL	1.0298 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481