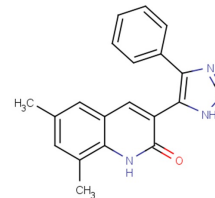


DIPQUO

Chemical Properties

CAS No.:	1269365-82-3
Formula:	C ₂₀ H ₁₇ N ₃ O
Molecular Weight:	315.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DIPQUO is an activator of bone marker alkaline phosphatase (ALP). DIPQUO promotes the differentiation of mouse and human osteoblasts by activating p38MAPK- β . The EC ₅₀ in C2C12 cells was 6.27 μ M.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.171 mL	15.854 mL	31.709 mL
5 mM	0.634 mL	3.171 mL	6.342 mL
10 mM	0.317 mL	1.585 mL	3.171 mL
50 mM	0.063 mL	0.317 mL	0.634 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Cook B, et al. Discovery of a Small Molecule Promoting Mouse and Human Osteoblast Differentiation via Activation of p38 MAPK- β . Cell Chem Biol. 2019 Mar 29.

Inhibitors · Natural Compounds · Compound Libraries

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

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481