

Product Data Sheet

Product Name: Pim-1 kinase inhibitor 8

Cat. No.: GC73968

Chemical Properties

Cas. No. 916038-47-6

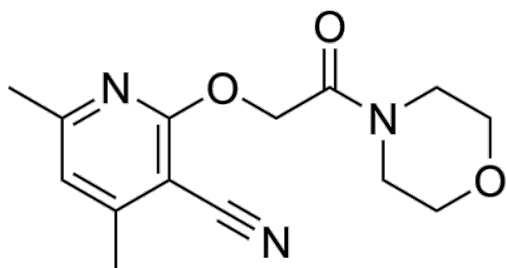
Formula $C_{14}H_{17}N_3O_3$ M.Wt 275.3

Solubility DMSO : 125 mg/mL (454.05 mM; Storage -20°C
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Pim-1 kinase inhibitor 8 (compound 12) is a potent inhibitor of Pim-1 kinase with an IC₅₀ of 14.3 nM.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Pim-1 kinase inhibitor 8 has potent cytotoxicity against MCF-7 and HepG2 cells with IC50s of 0.5 and 5.27 μ M, respectively. Pim-1 kinase inhibitor 8 can be used in study breast cancer.

References:

[1]. Shaban SM, et al. Design and Synthesis of Novel Pyridine-Based Compounds as Potential PIM-1 Kinase Inhibitors, Apoptosis, and Autophagy Inducers Targeting MCF-7 Cell Lines: In Vitro and In Vivo Studies. ACS Omega. 2023 Nov 27;8(49):46922-46933.

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