

Product Data Sheet

Product Name: 4-Chloro-3-(2,4-dioxo-1,3-diazinan-1-yl)benzoic acid

Cat. No.: GC80967

Chemical Properties

Cas. No. 2377645-90-2

Formula $C_{11}H_9ClN_2O_4$

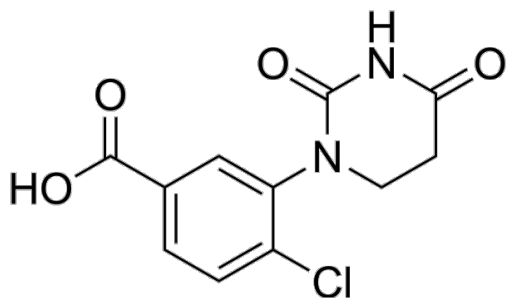
M.Wt 268.65

Solubility Storage Store at room temperature

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

4-Chloro-3-(2,4-dioxo-1,3-diazinan-1-yl)benzoic acid is an E3 ligase ligand that can be used in the recruitment of CRBN protein. 4-Chloro-3-(2,4-dioxo-1,3-diazinan-1-yl)benzoic acid can be used to synthesize PROTAC SOS1 degrader-4 [1].

In Vitro, PROTAC consists of two distinct ligands linked by a linker; one is the ligand of E3 ubiquitin ligase, and the other is the ligand of the target protein. PROTAC selectively degrades target proteins by utilizing the intracellular ubiquitin-proteasome system.

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

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References:

[1]. ZhengQing Ye, et al. Sos1 degrading agent and preparation method therefor and application thereof. WO2022223033A1.

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