

Product Data Sheet

Product Name: GPX4-IN-2

Cat. No.: GC73066

Chemical Properties

Cas. No. 2485005-22-7

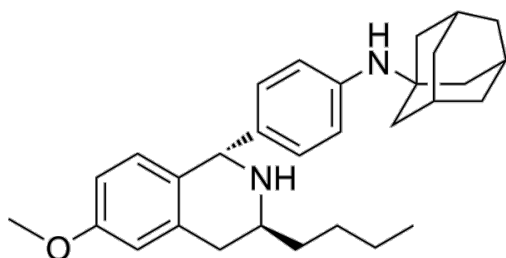
Formula $C_{30}H_{40}N_2O$ M.Wt 444.65

Solubility DMSO : 37.5 mg/mL (84.34 mM; Need ultrasonic) Storage 4°C, stored under nitrogen

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

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

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GPX4-IN-2 is a potent GPX4 inhibitor. GPX4 shows antiproliferative activity. GPX4-IN-2 has the potential for the research of cancer.

GPX4-IN-2 (compound 28) (0.0005-10 mM; 24 h) shows antiproliferative activity with IC50s of 0.004, 0.016, 2.9 μ M for 786-O, SJSA-1, A431 cells, respectively[1].

GPX4-IN-2 (5 mg/kg for mouse, 2 mg/kg for rats; i.v.) shows a good pharmacokinetics profile in mice and rats[1].

References:

[1]. Chun Jiang, et al. Compounds with ferroptosis inducing activity and methods of their use. WO2020176757A1.

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