

Product Data Sheet

Product Name: GPX4-IN-1

Cat. No.: GC78977

Chemical Properties

Cas. No. 2375356-92-4

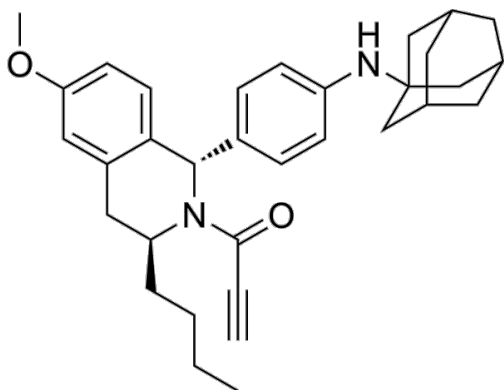
Formula $C_{33}H_{40}N_2O_2$ M.Wt 496.68

Solubility DMSO: 100 mg/mL (201.34 mM; Need ultrasonic) Storage Store at -20°C

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

GPX4-IN-1 is a potent GPX4 inhibitor. GPX4 shows antiproliferative activity. GPX4-IN-1 has the

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potential for the research of cancer [1].

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

In Vitro, GPX4-IN-1 (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].

References:

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

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