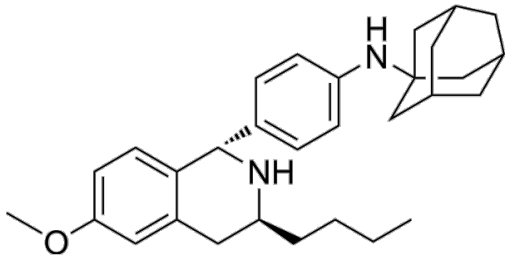
# Product Data Sheet

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

# Product Data Sheet

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 μM 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.

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