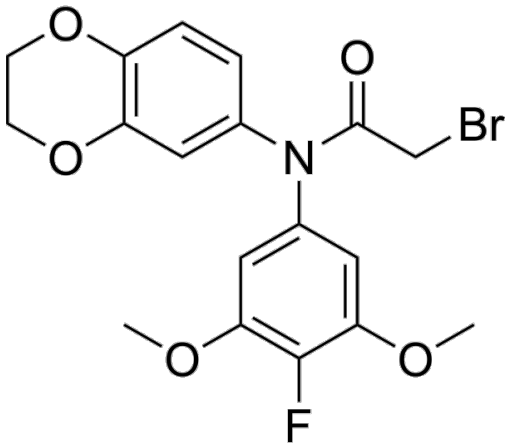
Product Data Sheet

Product Name: GPX4-IN-6
Cat. No.: GC73589

Chemical Properties

Cas. No.	2922824-07-3		
Formula	$C_{18}H_{17}BrFNO_5$	M.Wt	426.23
Solubility	DMSO : 50 mg/mL (117.31 mM; Need ultrasonic)	Storage	-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-6 (Compound C25) is a GPX4 covalent inhibitor with an IC50 value of 0.13 μM. GPX4-IN-6 (Compound C25) can induce ferroptosis for the research of triple-negative breast cancer (TNBC) .

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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References:

[1]. Chen T, et al. Discovery of Novel Potent Covalent Glutathione Peroxidase 4 Inhibitors as Highly Selective Ferroptosis Inducers for the Treatment of Triple-Negative Breast Cancer. J Med Chem. 2023 Jul 27;66(14):10036-10059.

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