
Product Data Sheet

Product Name: GSHtracer

Cat. No.: GC50515

Chemical Properties

Cas. No. 1479071-34-5

SMILES CN(C(/C(C#N)=C/C1=CC2=CC3=C4N(CCCC4=C2OC1=O)CCC3)=O)CFormula $C_{21}H_{21}N_3O_3$ M.Wt 363.41

Solubility DMSO : 5 mg/mL (13.76 mM; ultrasonic and warming and heat to 80°C) 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**

Ratiometric probe for measuring of glutathione (GSH) levels. Upon GSH binding, excitation/emission maximum λ shifts from 520/580 nm to 430/510 nm. F510/F580 ratio correlates with GSH concentration.

Jeong et al (2018) Real-time monitoring of glutathione in living cells reveals that high glutathione levels are required to maintain stem cell function. Stem Cell Reports 10 600 PMID:29307581

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

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