

---

**Product Data Sheet**

---

Product Name: RT-NH2  
Cat. No.: GC39433

**Chemical Properties**

Cas. No. 2321343-06-8

SMILES O=C1OC2=CC(N3CCC3)=CC=C2C=C1/C=C(C(N)=O)\C#N

Formula  $C_{16}H_{13}N_3O_3$  M.Wt 295.29

Solubility Soluble in DMSO 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**

RT-NH2 is a RealThiol prototype without the carboxylic acid groups. RT-NH2 is fairly hydrophobic and cannot distribute in the nucleus, which is a hallmark of protein binding for fluorescent probe.

[1]. Jiang X, et al. Quantitative real-time imaging of glutathione. Nat Commun. 2017 Jul 13;8:16087.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA