
Product Data Sheet

Product Name: 4-ethynyl-N-ethyl-1,8-naphthalimide

Cat. No.: GC50244

Chemical Properties

Cas. No. 912921-26-7

SMILES CCN(C3=O)C(C2=CC=CC1=C(C#C)C=CC3=C12)=O

Formula $C_{16}H_{11}NO_2$ M.Wt 249.26

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

Click-activated fluorescent probe. Enables imaging of cell surface and intracellular fucosylated glycoproteins and glycolipids.

Yuan et al (2014) Chemical labeling of 5-iodo-2'-deoxyuridine with 4-ethynyl-N-ethyl-1,8-naphthalimide using copper-free Sonogashira cross-coupling in aqueous medium.

Synth. Commun. 44 1007 | Sawa et al (2006) Glycoproteomic probes for fluorescent imaging of fucosylated glycans in vivo. Proc. Natl. Acad. Sci. U.S.A. 103 12371

PMID:16895981

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

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