

Certificate of Analysis

www.tocris.com

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

Catalog No.: 5765

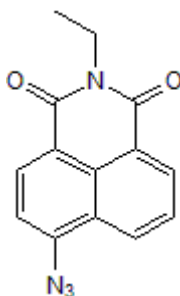
Batch No.: 1

CAS Number: 912921-27-8

IUPAC Name: 6-Azido-2-ethyl-1*H*-benz[de]isoquinoline

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₁₄ H ₁₀ N ₄ O ₂
Batch Molecular Weight:	266.25
Physical Appearance:	Yellow solid
Solubility:	DMSO to 10 mM with gentle warming THF to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 97% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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

Catalog No.: 5765

Batch No.: 1

CAS Number: 912921-27-8

IUPAC Name: 6-Azido-2-ethyl-1*H*-benz[de]isoquinoline

Description:

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

Physical and Chemical Properties:

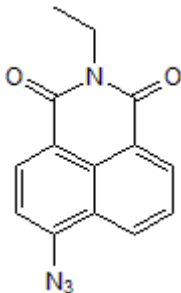
Batch Molecular Formula: C₁₄H₁₀N₄O₂

Batch Molecular Weight: 266.25

Physical Appearance: Yellow solid

Minimum Purity: >95%

Batch Molecular Structure:



References:

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.

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 10 mM with gentle warming

THF to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956