

Product Data Sheet

Product Name: DUBs-IN-3

Cat. No.: GC10356

Chemical Properties

Cas. No. 924296-17-3

Chemical Name (E)-9-((allyloxy)imino)-9H-indeno[1,2-b]pyrazine-2,3-dicarbonitrile

SMILES C=CCO/N=C1C2=CC=CC=C2C3=C\1N=C(C(C#N)=N3)C#N

Formula $C_{16}H_9N_5O$

M.Wt 287.28

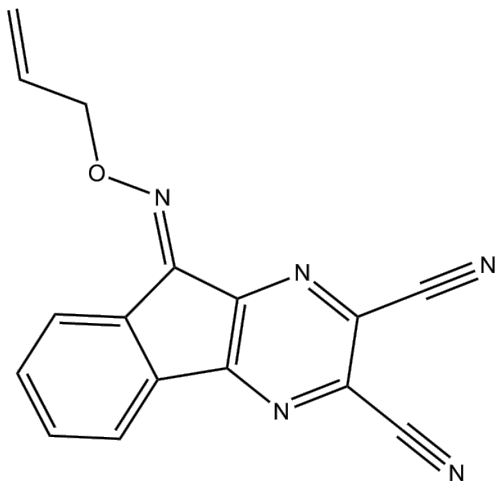
Solubility Soluble in DMSO

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

DUBs-IN-3 is a potent deubiquitinase (USP) enzyme inhibitor extracted from reference compound 22c with an IC₅₀ of 0.56 μM for USP8.

References:

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

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[1]. Colombo M, et al. Synthesis and biological evaluation of 9-oxo-9H-indeno[1,2-b]pyrazine-2,3-dicarbonitrile analogues as potential inhibitors of deubiquitinating enzymes. ChemMedChem. 2010 Apr 6;5(4):552-8.

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