

Product Data Sheet

Product Name: ADAMTS-5-IN-2

Cat. No.: GC70743

Chemical Properties

Cas. No. 294648-66-1

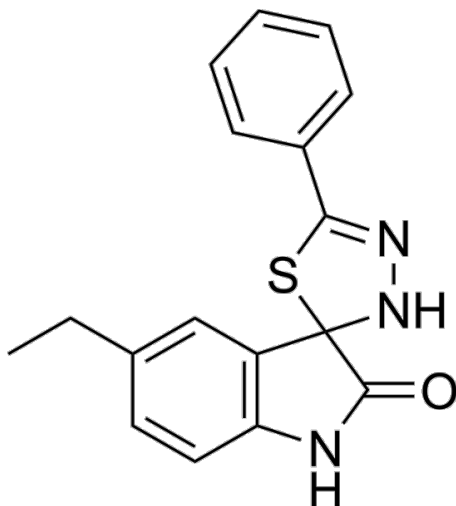
Formula $C_{17}H_{15}N_3OS$ M.Wt 309.39

Solubility DMSO : 100 mg/mL (323.22 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

ADAMTS-5-IN-2 (compound 25) is a potent ADAMTS-5 inhibitor with an IC₅₀ value of 0.71 μM. ADAMTS-5-IN-2 has the potential for the research of modifying osteoarthritis.

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]. Bompiani KM, et al. High-Throughput Screening Uncovers Novel Botulinum Neurotoxin Inhibitor Chemotypes. ACS Comb Sci. 2016 Aug 8;18(8):461-74.
- [2]. Matthew G. Bursavich; et al. 5'-Phenyl-3'H-spiro[indoline-3,2'-[1,3,4]thiadiazol]-2-one inhibitors of ADAMTS-5 (Aggrecanase-2). Bioorganic & Medicinal Chemistry Letters. 2007, 17(20), 5630-5633.

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