
Product Data Sheet

Product Name: SOD1-Derlin-1 inhibitor-1

Cat. No.: GC69920

Chemical Properties

Cas. No. 840461-03-2

Formula $C_{19}H_{12}Br_2N_4OS$

M.Wt 504.2

Solubility DMSO : 2.7 mg/mL (5.36 mM); ultrasonic and warming and adjust pH to 4 with HCl and heat to 60°C

Store
Storage 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**IC₅₀: 7.11 μM (SOD1^{G93A}-Derlin-1 complex)^[1]

SOD1-Derlin-1 inhibitor-1 (compound 56-20) is an inhibitor of **SOD1-Derlin-1** interaction. SOD1-Derlin-1 inhibitor-1 inhibits SOD1^{G93A}-Derlin-1 complex with an **IC₅₀** value of 7.11 μM. SOD1-Derlin-1 inhibitor-1 can be used for the research of amyotrophic lateral sclerosis^[1].

SOD1-Derlin-1 inhibitor-1 (50 μM; 16 h) inhibits SOD1^{G93A}-Derlin-1 complex with an IC₅₀ value of 7.11 μM^[1].

SOD1-Derlin-1 inhibitor-1 (250 nM; 6 h) interacts with SOD1^{G93A} with a K_d value of 81.1 μM^[1].

[1]. Tsuburaya N, et al. A small-molecule inhibitor of SOD1-Derlin-1 interaction ameliorates pathology in an ALS mouse model. Nat Commun. 2018 Jul 10;9(1):2668.

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
