
Product Data Sheet

Product Name: USP30 inhibitor 11

Cat. No.: GC70099

Chemical Properties

Cas. No. 2067332-64-1

Formula $C_{17}H_{16}N_6O_2S$ M.Wt 368.41

Solubility 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**IC₅₀: 0.01 μμ (USP30)^[1]

USP30 inhibitor 11 is a selective and potent **ubiquitin specific peptidase 30 (USP30)** inhibitor with an **IC₅₀** of 0.01 μμ, the example 83 extracted from patent WO2017009650A1. USP30 inhibitor 11 is used for the study of cancer and conditions involving mitochondrial dysfunction^[1].

USP30 is a 517 amino acid protein which is found in the mitochondrial outer membrane. It is the sole deubiquitylating enzyme bearing a mitochondrial addressing signal and has been shown to deubiquitylate a number of mitochondrial proteins^[1]. USP30 inhibitor 11 (0.01-30 μμ; λ_{Ex}=540 nm; λ_{Em}=590 nm) inhibits USP30 biochemical activity with an IC₅₀ of 0.01 μμ in a USP30 biochemical IC₅₀ assay^[1].

[1]. Mark Kemp, et al. Cyanopyrrolidines as dub inhibitors for the treatment of cancer. Patent WO 2017009650 A1.

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
