

Product Data Sheet

Product Name: ENPP3 Inhibitor

Cat. No.: GC52277

Chemical Properties

Cas. No. 333413-02-8

SMILES O=S(N)(C1=CC=C(NC2=C3C=CC=CC3=C(C4=CC=C(C)C(S(=O)(N)=O)=C4)N=N2)C=C1)=O

Formula C₂₁H₁₉N₅O₄S₂ M.Wt 469.5

Solubility DMF: insol,DMSO: 2 mg/ml,Ethanol: Storage -20°C
insol,PBS (pH 7.2): insol

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.

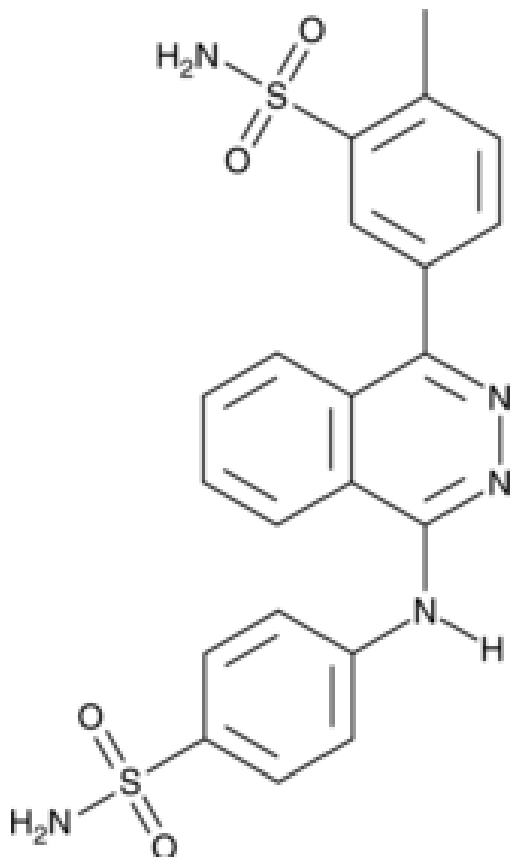
Caution: Product has not been fully validated for medical applications. For research use only.

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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Structure



Background

ENPP3 inhibitor is an inhibitor of ectonucleotide pyrophosphatase/phosphodiesterase family member 3 (ENPP3; $K_i = 53.7$ nM).¹ It is selective for ENPP3 over ENPP1, ENPP2, tissue-nonspecific alkaline phosphatase (TNAP), ecto-5'-nucleotidase (CD73), nucleoside triphosphate diphosphohydrolase 1 (NTPDase 1), NTPDase 2, and NTPDase 3. ENPP3 inhibitor also inhibits carbonic anhydrase II (CAII) and CAIX (K_i s = 74.7 and 20.3 nM, respectively).

1. Lee, S.-Y., Namasivayam, V., Boshta, N.M., et al. Discovery of potent nucleotide pyrophosphatase/phosphodiesterase3 (NPP3) inhibitors with ancillary carbonic anhydrase inhibition for cancer (immuno)therapy RSC Med. Chem. 12(7) 1187-1206 (2021)

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