

Product Data Sheet

Product Name: APX-115

Cat. No.: GC38353

Chemical Properties

Cas. No. 1395946-75-4

SMILES OC1=C(CCC)C(C2=CC=CC=C2)=NN1C3=NC=CC=C3.Cl

Formula $C_{17}H_{18}ClN_3O$ M.Wt 315.8

Solubility DMSO: ≥ 250 mg/mL (791.64 mM) 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.

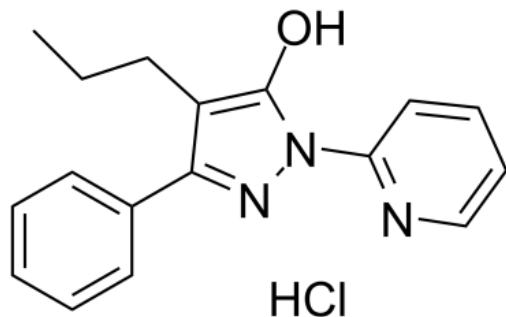
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

APX-115 (Ewha-18278) is a potent, orally active pan NADPH oxidase (Nox) inhibitor with K_i values of 1.08 μM , 0.57 μM , and 0.63 μM for Nox1, Nox2 and Nox4, respectively. APX-115 effectively prevents kidney injury[1].

[1]. Kwon G, et al. A novel pan-Nox inhibitor, APX-115, protects kidney injury in streptozotocin-induced diabetic mice: possible role of peroxisomal and mitochondrial biogenesis. *Oncotarget*. 2017 Jun 16;8(43):74217-74232.

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