

Product Data Sheet

Product Name: OATD-02 hydrochloride

Cat. No.: GC73548

Chemical Properties

Cas. No.

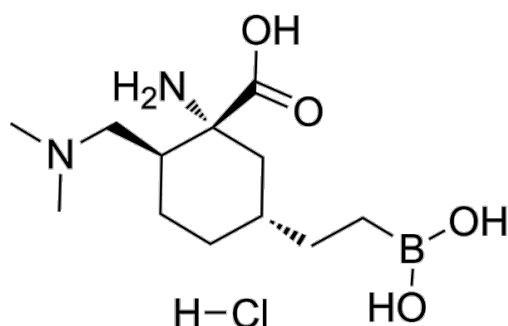
Formula $C_{12}H_{26}BClN_2O_4$ M.Wt 308.61

Solubility H_2O : 250 mg/mL (810.08 mM; Need ultrasonic) Storage $-20^{\circ}C$, protect from light, stored under nitrogen

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

OATD-02 drochloride is the drochloride salt form of OATD-02 . OATD-02 drochloride an orally active, competitive, reversible, noncovalent dual inhibitor of Arginase1 and Arginase2. OATD-02 drochloride is a slow offset inhibitor, blocking intracellular arginases with IC50s of 20 nM (hARG1), 39 nM

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

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(hARG2), 39 nM (mARG1), and 28 nM (rARG1), respectively. OATD-02 drochloride bolishes tumor immunosuppression induced by both arginases. OATD-02 drochloride can be used for melanoma study.

References:

[1]. Borek B, et al. Arginase 1/2 Inhibitor OATD-02: From Discovery to First-in-man Setup in Cancer Immunotherapy. Mol Cancer Ther. 2023;22(7):807-817.

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