

Product Data Sheet

Product Name: TP0463518

Cat. No.: GC31498

Chemical Properties

Cas. No. 1558021-37-6

SMILES C1C(C=C1)=CC=C1OC2=NC=C(CN3C(C(C(NCC(O)=O)=O)=C(O)CC3)=O)C=C2

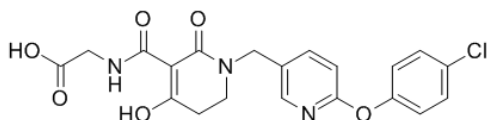
Formula $C_{20}H_{18}ClN_3O_6$ M.Wt 431.83

Solubility DMSO : ≥ 125 mg/mL (289.47 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.

Structure



Background

TP0463518 is a potent hypoxia-inducible factor prolyl hydroxylases (PHDs) inhibitor with a K_i value of 5.3 nM for human PHD2. TP0463518 also inhibits human PHD1/PHD3 with IC_{50} s of 18 and 63 nM as well as monkey PHD2 with an IC_{50} value of 22 nM[1].

Reference:

[1]. Kato S, et al. TP0463518, a novel inhibitor for hypoxia-inducible factor prolyl hydroxylases,

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

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increases erythropoietin in rodents and monkeys with a good pharmacokinetics-pharmacodynamics correlation. Eur J Pharmacol. 2018 Nov 5;838:138-144.

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