

Product Data Sheet

Product Name: CAY10740 (hydrochloride)

Cat. No.: GC47051

Chemical Properties

Cas. No. N/A

SMILES COC1=C2C(N=C(C3=CC4=C(C=CC=C4)N3CC5=CC=CC=C5)N2C)=CC(C(N6CC[C@@H](O)[C@@H](N)C6)=O)=C1.Cl

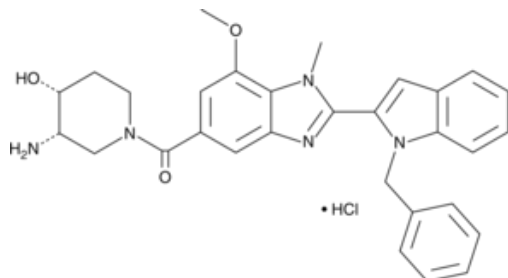
Formula C₃₀H₃₁N₅O₃.HCl M.Wt 546.1

Solubility DMF: 10mg/mL, DMF:PBS (pH 7.2) Storage Store at -20°C
(1:2): 0.3mg/mL, DMSO:
5mg/mL, Ethanol: 0.3mg/mL

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

CAY10740 is an analog of the protein arginine deiminase 4 (PAD4) inhibitor GSK484.¹ It decreases the viability of 4T1 cells by 85 and 98% when used at concentrations of 5 and 10 μM, respectively, which is more than five-fold as effective as GSK484.

1. Guo, Z., Shi, L., Wang, B., et al. Synthesis of reversible PAD4 inhibitors via copper-catalyzed C-H arylation of benzimidazole. *Sci. China Chem.* 62(6)592-596(2019)

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