

Product Data Sheet

Product Name: Indirubin Derivative E804

Cat. No.: GC36311

Chemical Properties

Cas. No. 854171-35-0

SMILES O=C1NC2=C(C=CC=C2)/C1=C3NC4=C(C=CC=C4)C/3=N/OCCC(O)CO

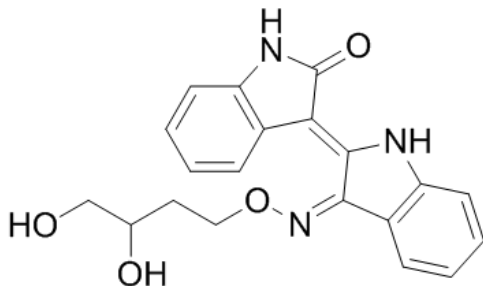
Formula $C_{20}H_{19}N_3O_4$ M.Wt 365.38

Solubility DMSO : 125 mg/mL (342.11 mM; Need ultrasonic) 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

E 804 is a potent inhibitor of Insulin-like Growth Factor 1 Receptor (IGF1R), with an IC₅₀ of 0.65 μM for IGF1R. IC₅₀: 0.65 μM (IGF1R)[1].

Indirubin Derivative E804 is a water-soluble indirubin derivative as potent inhibitor of Insulin-like Growth Factor 1 Receptor (IGF1R), with an IC₅₀ of 0.65 μM. Indirubin Derivative E804 also inhibits CDK2/CycE with an EC₅₀ of 0.23 μM[1].

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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[1]. Cheng X, et al. Identification of a Water-Soluble Indirubin Derivative as Potent Inhibitor of Insulin-like Growth Factor 1 Receptor through Structural Modification of the Parent Natural Molecule. J Med Chem. 2017 Jun 22;60(12):4949-4962.

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