

Product Data Sheet

Product Name: PTPN22-IN-1

Cat. No.: GC63553

Chemical Properties

Cas. No. 2580935-57-3

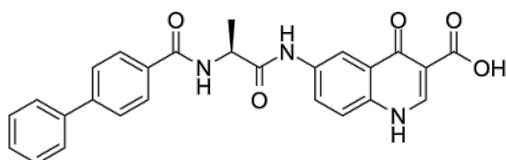
Formula $C_{26}H_{21}N_3O_5$ M.Wt 455.46

Solubility DMSO : 10 mg/mL (21.96 mM); ultrasonic and warming and heat to 60°C) 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

PTPN22-IN-1 is a potent PTPN22 inhibitor ($IC_{50}=1.4 \mu M$, $K_i=0.50 \pm 0.18 \mu M$). PTPN22-IN-1 exhibits >7-10 fold selectivity for PTPN22 over similar phosphatases. PTPN22-IN-1 augments antitumor immune responses[1]. From WO2021007491A1 compound L-1.

PTPN22-IN-1 (Compound L-1) (WT mice; intraperitoneally) significantly reduces MC38 tumor growth. PTPN22-IN-1 (syngeneic immunocompetent model; CT26 in Balb/c mice) shows similar antitumor

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

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effects[1].Administration of L-I intraperitoneally at 10 mg/kg yielded an average AUC of 4.55 $\pm$ 1M h and Cmax of 1.1 $\pm$ 1M (Fig. 9d), which is more than twice of its Ki value[1].

PTPN22-IN-1 (Compound L-1) (WT mice; intraperitoneally) significantly reduces MC38 tumor growth. PTPN22-IN-1 (syngeneic immunocompetent model; CT26 in Balb/c mice) shows similar antitumor effects[1].Administration of L-I intraperitoneally at 10 mg/kg yielded an average AUC of 4.55 $\pm$ 1M h and Cmax of 1.1 $\pm$ 1M (Fig. 9d), which is more than twice of its Ki value[1].

[1]. Elizabeth Jaffee, et al. Targeting ptpn22 in cancer therapy. WO2021007491A1.

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