
Product Data Sheet

Product Name: (+)SHIN2

Cat. No.: GC69720

Chemical Properties

Cas. No.

Formula $C_{23}H_{26}N_4O_3$ M.Wt 406.48

Solubility Storage Store at $-20^{\circ}C$

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

(+)SHIN2 is a **serine droxymetltransferase (SHMT)** inhibitor, whose target can be traced with ^{13}C -serine. (+)SHIN2 increases survival in NOTCH1-driven mouse primary acute lymphoblastic leukemia (T-ALL) in vivo with a synergistic effect with Decreased tmus weight and cellularity, which normalized after treatment discontinuation. Showed generally well tolerated activity with modest hematological toxicity.

[1]. García-Cañaveras JC, et al. SHMT inhibition is effective and synergizes with methotrexate in T-cell acute lymphoblastic leukemia. *Leukemia*. 2021 Feb;35(2):377-388.

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

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