

Product Data Sheet

Product Name: I-BET567

Cat. No.: GC64297

Chemical Properties

Cas. No. 1887237-54-8

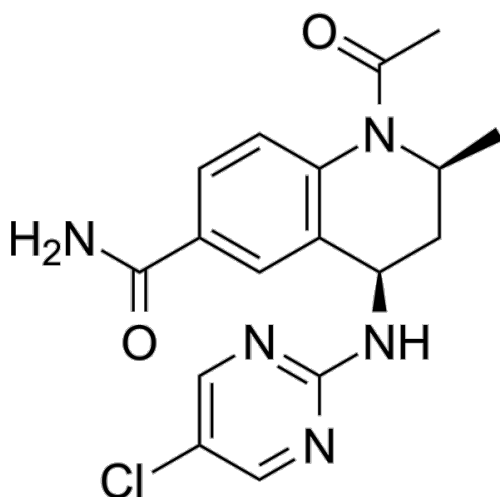
Formula C₁₇H₁₈ClN₅O₂ M.Wt 359.81

Solubility DMSO : 100 mg/mL (277.92 mM; Storage 4°C, protect from light
Need ultrasonic)

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

I-BET567 is a potent and orally active inhibitor of pan-BET candidate with pIC₅₀s of 6.9 and 7.2 for BRD4 BD1 and BD2, respectively. I-BET567 has been demonstrated efficacy in mouse models of

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

Product Data Sheet

oncology and inflammation[1].

I-BET567 (compound 27) (72 hours; 1.5 nM-30 μ M) effectively inhibites the proliferation of human NMC cell line 11060 in vitro with a mean gpIC50 6.2 (0.63 μ M)[1].

I-BET567 (compound 27) (3, 10, and 30 mg/kg; p.o.; once daily for 20 days) leads to a significant reduction in tumor growth compared with vehicle controls at both 10 and 30 mg/kg[1]. Assessment of Pharmacokinetics (PK) profile of I-BET567 following intravenous infusion and oral administration in male wistar han rat and beagle dog[1]. species dose ivb/poc (mg/kg) CLb (mL/min/kg) CLb,u (mL/min/kg) CLrenal (mL/min/kg) Vss (L/kg) Vss,u (L/kg) t1/2 (h) Fpo (%) fub
rat 1.3/32510972.410.41.699d0.23 dog 1.0/38.1206.91.22.91.8980.41a: Values are mean, n=3 unless otherwise stated. b: IV dose 1h infusion in DMSO and (10%, w/v) Kleptose HPB in saline (2%: 98% (v/v)). c: PO dose vehicle: 1%(w/v) methycellulose (400 cps) (aq). d: Mean n = 2.

[1]. Humphreys PG, et al. Design, Synthesis, and Characterization of I-BET567, a Pan-Bromodomain and Extra Terminal (BET) Bromodomain Oral Candidate [published online ahead of print, 2022 Jan 7].

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