
Product Data Sheet

Product Name: D-3263
 Cat. No.: GC33158

Chemical Properties

Cas. No. 947257-66-1

SMILES O=C1N(CCN)C2=CC(OC)=CC=C2N1C([C@H]3[C@H](C(C)C)CC[C@@H](C)C3)=O

Formula $C_{21}H_{31}N_3O_3$ M.Wt 373.49

Solubility Soluble in DMSO 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

D-3263 is an agonist of transient receptor potential melastatin member 8 (TRPM8) with potential antineoplastic activity.

D-3263 induces calcium flux and cell death in in vitro cells expressing TRPM8[1].

D-3263 (50 or 100 mg/kg/d) alone or with Finasteride (10 mg/kg/d) results in reduction in prostate hyperplasia of rats with evidence of a dose response. The highest dose of the TRPM8 agonist D-3263, given in combination with Finasteride, results in lower prostate weights than the highest dose of D-3263 or Finasteride given alone, suggesting a potential additive effect[1].

[1]. David Duncan, et al. PRECLINICAL EVALUATION OF THE TRPM8 ION CHANNEL AGONIST D-3263 FOR BENIGN PROSTATIC HYPERPLASIA. THE JOURNAL OF UROLOGY, Vol. 181, No. 4, Supplement, Tuesday, April 28, 2009

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
