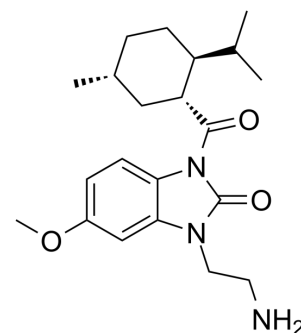


D-3263

Cat. No.:	HY-16162
CAS No.:	947257-66-1
Molecular Formula:	C ₂₁ H ₃₁ N ₃ O ₃
Molecular Weight:	373.49
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-3263 is an agonist of transient receptor potential melastatin member 8 (TRPM8) with potential antineoplastic activity.
In Vitro	D-3263 induces calcium flux and cell death in in vitro cells expressing TRPM8 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	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] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA