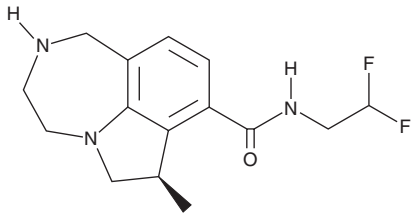
PRODUCT INFORMATION

Bexicaserin

Item No. 42569

CAS Registry No.: 2035818-24-5
Formal Name: N-(2,2-difluoroethyl)-1,2,3,4,6,7-hexahydro-7R-methyl-pyrrolo[3,2,1-jk][1,4]benzodiazepine-8-carboxamide
Synonym: P352
MF: $C_{15}H_{19}F_2N_3O$
FW: 295.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Bexicaserin is supplied as a solid. A stock solution may be made by dissolving the bexicaserin in the solvent of choice, which should be purged with an inert gas. Bexicaserin is slightly soluble (0.1-1 mg/ml) in acetonitrile and DMSO.

Description

Bexicaserin is an agonist of the serotonin (5-HT) receptor subtype 5-HT_{2C}.[1] It selectively stimulates the accumulation of inositol phosphate in HEK cells expressing the 5-HT_{2C} receptor (EC_{50} = 42 nM) over those expressing the 5-HT_{2A} or 5-HT_{2B} receptors (EC_{50}s = >50,000 nM for both). Bexicaserin (10 mg/kg, p.o.) reduces food intake by 81% in fasted rats.

Reference

1. Ren, A., Zhu, X., Lehmann, J., *et al*. Diazepine agonists of the 5 HT2C receptor with unprecedented selectivity: Discovery of bexicaserin (LP352). *J. Med Chem.* **68(11)**, 10599-10618 (2025).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM