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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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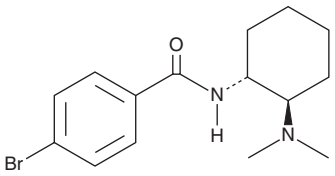
PRODUCT INFORMATION

U-47931E

Item No. 20530

CAS Registry No.:	67579-24-2
Formal Name:	*trans*-4-bromo-N-2-(dimethylamino) cyclohexyl]-benzamide
Synonym:	Bromadoline
MF:	$C_{15}H_{21}BrN_2O$
FW:	325.3
Purity:	≥98%
UV/Vis.:	λ_{max}: 239 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥2 years



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

Description

U-47931E (Item No. 20530) is an analytical reference standard that is structurally categorized as an opioid. It has been characterized as a selective μ-opioid receptor agonist, based on the ability of the antagonist β-funaltrexamine to block U-47931E-mediated decrease in urine output in water-loaded rats.[1] U-47931E has antinociceptive activity comparable to codeine (Item No. ISO60140) in mouse abdominal constriction and rat paw pressure tests.[2] This product is intended for research and forensic applications.

References

1. Hayes, A. Skingle, G.M., and Tyers, M.B. Evaluation of the receptor selectivities of opioid drugs by investigating the block of their effect on urine output by beta-funaltrexamine. *J. Pharmacol. Exp. Ther.* **240(3)**, 984-988 (1987).
2. Hayes, A.G., Sheehan, M.J., and Tyers, M.B. Differential sensitivity of models of antinociception in the rat, mouse, and guinea-pig to μ- and κ-opioid receptor agonists. *Br. J. Pharmacol.* **91(4)**, 823-832 (1987).

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