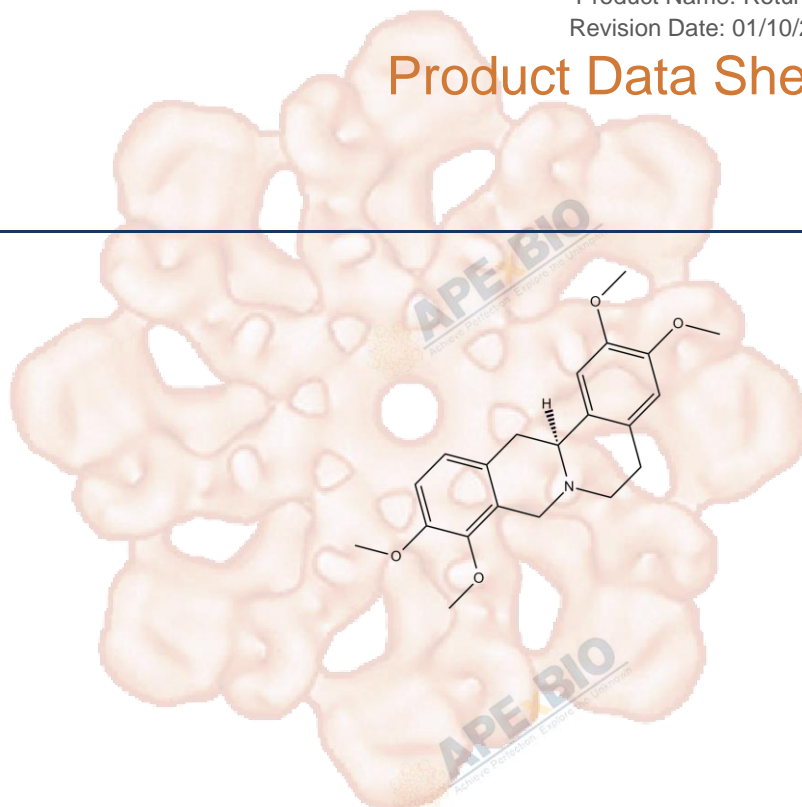


Product Data Sheet

Rotundine

Cat. No.:	B3676
CAS No.:	483-14-7
Formula:	C ₂₁ H ₂₅ NO ₄
M.Wt:	355.43
Synonyms:	
Target:	Neuroscience
Pathway:	Dopamine Receptor
Storage:	Store at -20°C



Solvent & Solubility

In Vitro

 insoluble in H₂O; ≥16 mg/mL in DMSO; ≥2.95 mg/mL in EtOH with gentle warming and ultrasonic

	Solvent	Mass		
		1mg	5mg	10mg
Preparing Stock Solutions	Concentration			
	1 mM	2.8135 mL	14.0675 mL	28.1349 mL
	5 mM	0.5627 mL	2.8135 mL	5.6270 mL
	10 mM	0.2813 mL	1.4067 mL	2.8135 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

Dopamine D1 receptor antagonist, potent and selective

 IC₅₀ & Target

 166 nM (D1 receptor), 347 nM (5-HT_{1A}), 1.47 μM (D2 receptor), 3.25 μM (D3 receptor)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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