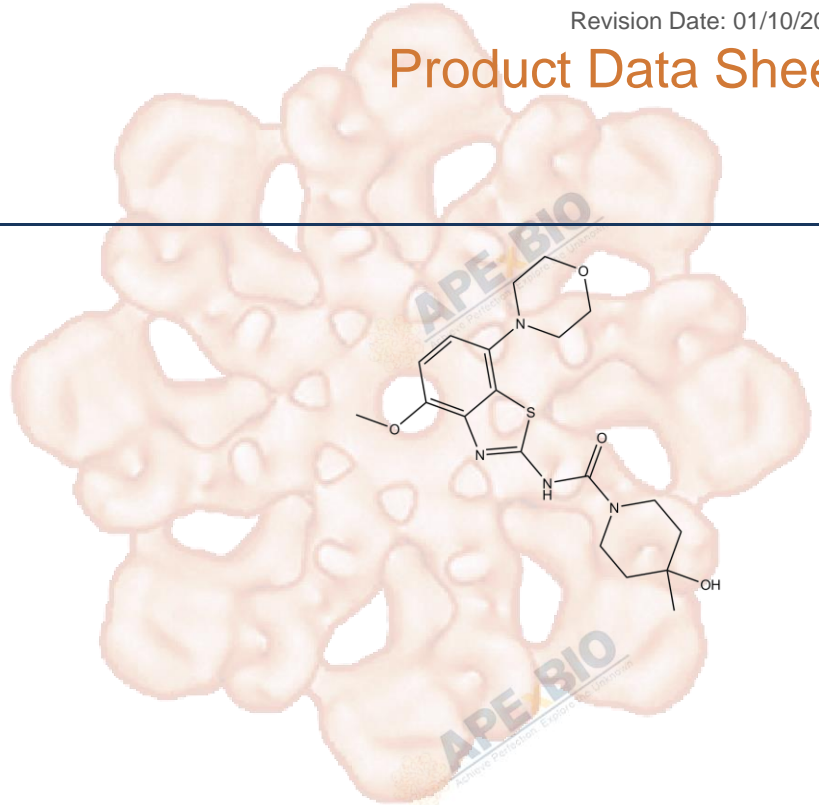


Product Data Sheet

Tozadenant

Cat. No.:	A3885
CAS No.:	870070-55-6
Formula:	C ₁₉ H ₂₆ N ₄ O ₄ S
M.Wt:	406.5
Synonyms:	SYN-115;SYN115;SYN 115
Target:	GPCR/G protein
Pathway:	Adenosine Receptor
Storage:	Store at -20°C



Solvent & Solubility

insoluble in EtOH; insoluble in H₂O; ≥20.35 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.4600 mL	12.3001 mL	24.6002 mL
	5 mM	0.4920 mL	2.4600 mL	4.9200 mL
	10 mM	0.2460 mL	1.2300 mL	2.4600 mL

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

Biological Activity

Shortsummary

Adenosine 2a receptor antagonist, novel and selective

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Dosage form: 60, 120, 180, or 240 mg twice daily for 12 weeks.

Applications: Tozadenant increases mean daily total on-time and improved total UPDRS scores for parts I-III in the combined tozadenant 120 mg twice-daily and 180

mg twice-daily group and in the 120 mg twice-daily group. Also, tozadenant significantly improved CGI-S and CGI-I scores.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Hauser RA, Olanow CW, Kieburtz KD, et al. Tozadenant (SYN115) in patients with Parkinson's disease who have motor fluctuations on levodopa: a phase 2b, double-blind, randomised trial. *Lancet Neurol*, 2014, 13(8): 767-776.

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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