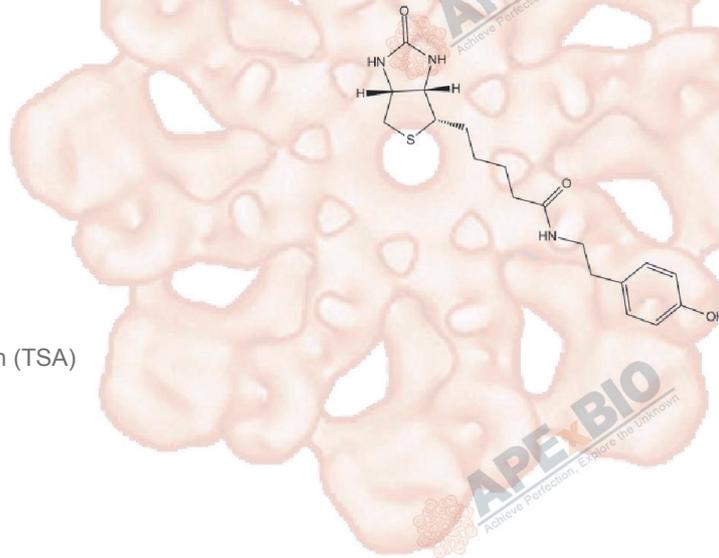


Product Data Sheet

Biotin-tyramide

Cat. No.:	A8011
CAS No.:	41994-02-9
Formula:	C ₁₈ H ₂₅ N ₃ O ₃ S
M.Wt:	363.47
Synonyms:	Biotin-Phenol, Biotin Phenol
Target:	Immunofluorescence & Immunohistochemistry
Pathway:	Tyramine Signal Amplification (TSA)
Storage:	Store at -20°C



Solvent & Solubility

≥72.6mg/mL in DMSO, ≥8.18 mg/mL in EtOH with ultrasonic, insoluble in H₂O

In Vitro

Preparing Stock Solutions	Mass		1mg	5mg	10mg
	Solvent	Concentration			
	1 mM		2.7513 mL	13.7563 mL	27.5126 mL
	5 mM		0.5503 mL	2.7513 mL	5.5025 mL
	10 mM		0.2751 mL	1.3756 mL	2.7513 mL

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

Biological Activity

Shortsummary

Reagent used for tyramide signal amplification (TSA)

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Clemens AM, Lenschow C, et al. "Estrus-Cycle Regulation of Cortical Inhibition." *Curr Biol.* 2019 Feb 18;29(4):605-615.e6.PMID:30744972
2. Liu P, Huang J, et al. "Mammalian mitochondrial RNAs are degraded in the mitochondrial intermembrane space by RNASET2." *Protein Cell.* 2017 Jul 20.PMID:28730546

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 APExBIO 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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