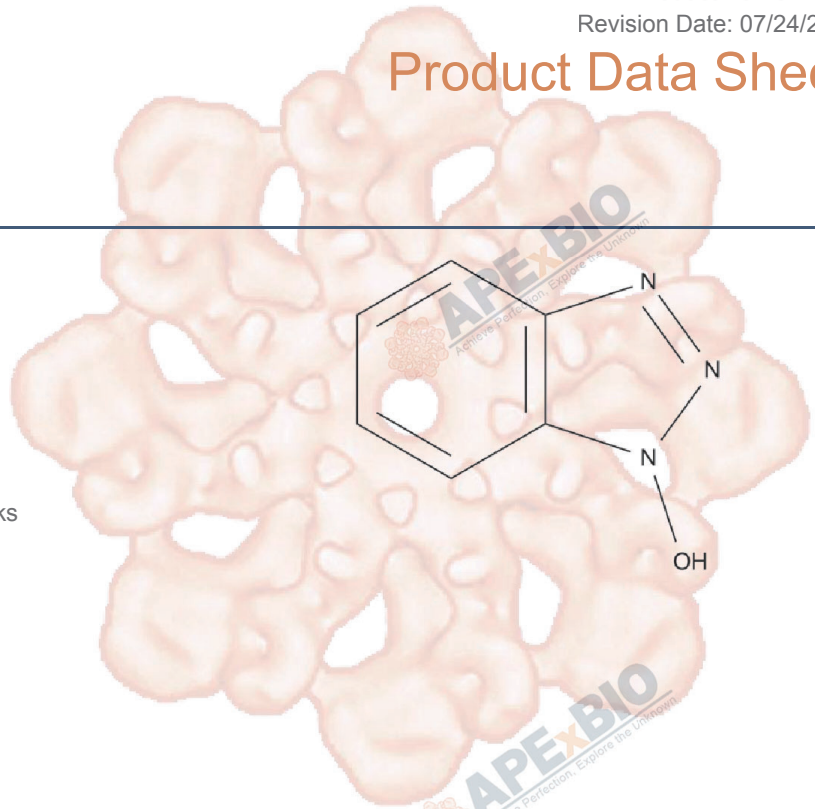


Product Data Sheet

HOBt

Cat. No.:	A7025
CAS No.:	2592-95-2
Formula:	C ₆ H ₅ N ₃ O
M.Wt:	135.1
Synonyms:	
Target:	Amino Acids & Building Blocks
Pathway:	Peptide Coupling Reagents
Storage:	Desiccate at -20°C



Solvent & Solubility

≥6.76mg/mL in DMSO, ≥22.4 mg/mL in EtOH with ultrasonic, ≥4.09 mg/mL in H₂O with ultrasonic

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		1 mM	7.4019 mL	37.0096 mL	74.0192 mL
		5 mM	1.4804 mL	7.4019 mL	14.8038 mL
		10 mM	0.7402 mL	3.7010 mL	7.4019 mL

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

Biological Activity

Shortsummary	Racemization inhibitor	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Preparation method:	
In Vivo	Animal experiment	
	Applications:	

Product Citations

1. Gilbert T, Alsop RJ, et al. "Nanostructure of Fully Injectable Hydrazone-Thiosuccinimide Interpenetrating Polymer Network Hydrogels Assessed by Small-Angle Neutron Scattering and dSTORM Single-Molecule Fluorescence Microscopy." ACS Appl Mater Interfaces. 2017 Nov 27. PMID:29131571
2. Johansen ML, Gao Y, et al. "Quantitative Molecular Imaging with a Single Gd-Based Contrast Agent Reveals Specific Tumor Binding and Retention in Vivo." Anal Chem. 2017 Jun 6;89(11):5932-5939. PMID:28481080
3. Gilbert, Trevor. "Injectable Interpenetrating Network Hydrogels for Biomedical Applications." mcmaster university.2017.
4. Herrmann, Kelsey, et al. "Molecular Imaging of Tumors Using a Quantitative T1 Mapping Technique via Magnetic Resonance Imaging." Diagnostics 5.3 (2015): 318-332.

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. Short-term 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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