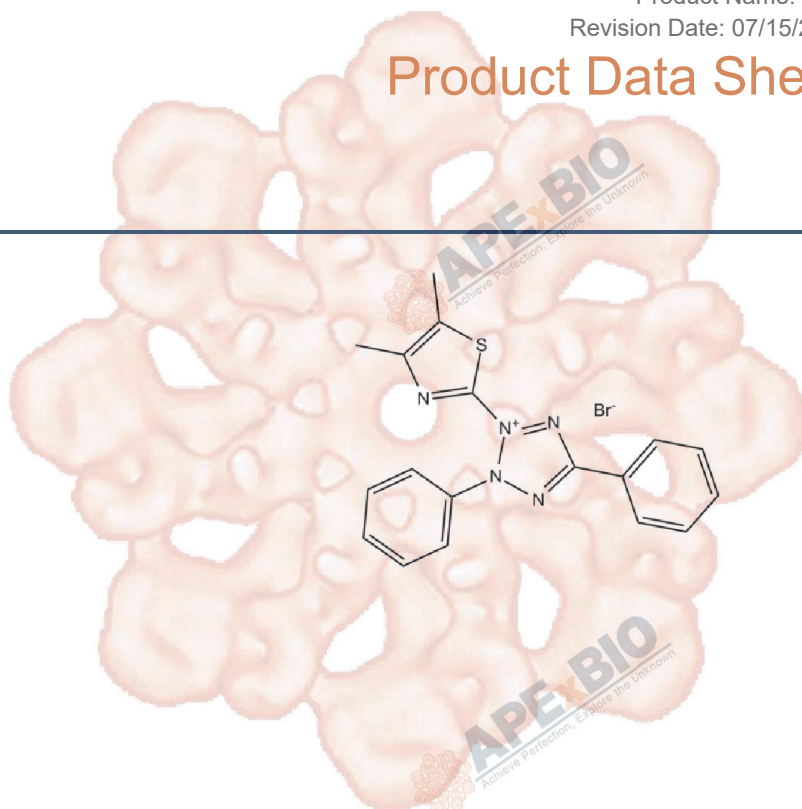


Product Data Sheet

MTT

Cat. No.:	B7777
CAS No.:	298-93-1
Formula:	C ₁₈ H ₁₆ N ₅ SBr
M.Wt:	414.32
Synonyms:	
Target:	Others
Pathway:	Reagents
Storage:	Store at -20°C



Solvent & Solubility

≥41.4 mg/mL in DMSO; ≥18.63 mg/mL in EtOH; ≥2.5 mg/mL in H₂O with ultrasonic

	Solvent	Mass			
		1mg	5mg	10mg	
In Vitro	Preparing Stock Solutions				
		Concentration			
		1 mM	2.4136 mL	12.0680 mL	24.1359 mL
		5 mM	0.4827 mL	2.4136 mL	4.8272 mL
	10 mM	0.2414 mL	1.2068 mL	2.4136 mL	

Please refer to the solubility information to select the appropriate solvent

Biological Activity

Shortsummary	reagent used in the measurement of in vitro cell proliferation	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Preparation method:	
In Vivo	Animal experiment	
	Applications:	

Product Citations

1. Zheng X, Li H, et al. "Preparation and In Vitro Release of Total Alkaloids from Alstonia Scholaris Leaves Loaded mPEG-PLA Microspheres." Materials (Basel). 2019 May 6;12(9). pii: E1457.PMID:31064081
2. Yang Y, Qiu JG, et al. "Targeting ABCB1-mediated tumor multidrug resistance by CRISPR/Cas9-based genome editing." Am J Transl Res. 2016 Sep 15;8(9):3986-3994.PMID:27725879
3. Lv M, Qiu JG, et al. "Wallichinine reverses ABCB1-mediated cancer multidrug resistance." Am J Transl Res. 2016 Jul 15;8(7):2969-80.PMID:27508017

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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