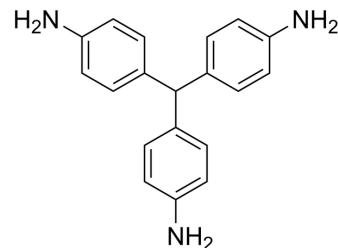


Tris(4-aminophenyl)methane

Cat. No.:	HY-D0306
CAS No.:	548-61-8
Molecular Formula:	C ₁₉ H ₁₉ N ₃
Molecular Weight:	289.37
Target:	HCV
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (172.79 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.4558 mL	17.2789 mL	34.5578 mL
				5 mM	0.6912 mL	3.4558 mL	6.9116 mL
				10 mM	0.3456 mL	1.7279 mL	3.4558 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.64 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.64 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Tris(4-aminophenyl)methane is a triphenylmethane dye. Tris(4-aminophenyl)methane is a weak HCV helicase inhibitor.
IC ₅₀ & Target	HCV helicase ^[1]
In Vitro	<p>Tris(4-aminophenyl)methane (Compound 8) shows weak HCV helicase inhibition (30% inhibition at 100 μM)^[1]. To preserve RNA in a biological sample for analysis, the sample is incubated with an RNA preservative capable of precipitating RNA in an aqueous solution, such as a triphenylmethane dye (e.g., methyl green, crystal violet, pararosaniline, or Tris(4-aminophenyl)methane), cresyl violet, or cobalt ions. RNA preservation may be used in an immunostaining assay and other histochemical methods^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Chen CS, et al. Structure-based discovery of triphenylmethane derivatives as inhibitors of hepatitis C virushelicase. J Med Chem. 2009 May 14;52(9):2716-23.

Caution: Product has not been fully validated for medical applications. For research use only.

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