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Produktinformation

- Forschungsprodukte & Biochemikalien
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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Tris(4-aminophenyl)methane

Cat. No.: HY-D0306

CAS No.: 548-61-8

Molecular Formula: $C_{19}H_{19}N_3$

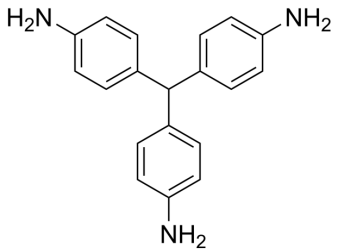
Molecular Weight: 289

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 (173.01 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.4602 mL	17.3010 mL	34.6021 mL
	5 mM	0.6920 mL	3.4602 mL	6.9204 mL
	10 mM	0.3460 mL	1.7301 mL	3.4602 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 (8.65 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (8.65 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

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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA