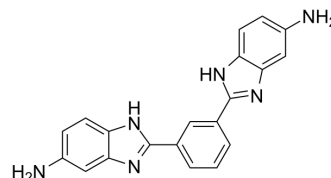


TGP-377/421

Cat. No.:	HY-138647		
CAS No.:	16752-89-9		
Molecular Formula:	C ₂₀ H ₁₆ N ₆		
Molecular Weight:	340.38		
Target:	MicroRNA		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 66.67 mg/mL (195.87 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9379 mL	14.6895 mL	29.3789 mL
	5 mM	0.5876 mL	2.9379 mL	5.8758 mL
	10 mM	0.2938 mL	1.4689 mL	2.9379 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.34 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.34 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TGP-377/421 (Targapre-miR-377/421) is a potent miR-377 and miR-421 inhibitor that binds a functional site in both miRNAs [1].

REFERENCES

- [1]. Haniff HS, et al. Design of a small molecule that stimulates vascular endothelial growth factor A enabled by screening RNA fold-small molecule interactions. Nat Chem. 2020 Oct;12(10):952-961.

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

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