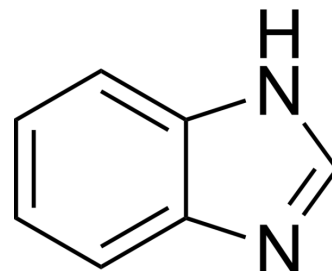


Benzimidazole

Cat. No.:	HY-Y1825		
CAS No.:	51-17-2		
Molecular Formula:	C ₇ H ₆ N ₂		
Molecular Weight:	118.14		
Target:	Fungal; Parasite; Bacterial; Influenza Virus		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (42.32 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	8.4645 mL	42.3227 mL	84.6453 mL
	5 mM	1.6929 mL	8.4645 mL	16.9291 mL
	10 mM	0.8465 mL	4.2323 mL	8.4645 mL

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

BIOLOGICAL ACTIVITY

Description

Benzimidazole is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

51-17-2|Rabeprazole Impurity E Reference Substance
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. V Yerragunta, et al. Benzimidazole Derivatives and Its Biological Importance: A Review, PharmaTutor, 2014, 2(3), 109-113.
- [2]. Fei F, et al. New substituted benzimidazole derivatives: a patent review (2010 - 2012). Expert Opin Ther Pat. 2013 Sep;23(9):1157-79.
- [3]. Wang M, et al. New substituted benzimidazole derivatives: a patent review (2013 - 2014). Expert Opin Ther Pat. 2015 May;25(5):595-612.

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

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