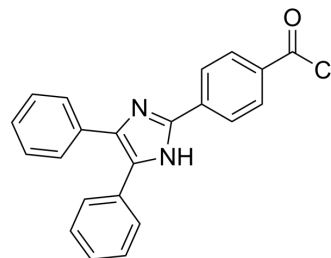


4-(4,5-Diphenyl-1H-imidazol-2-yl)benzoyl chloride

Cat. No.:	HY-D0059
CAS No.:	162756-62-9
Molecular Formula:	C ₂₂ H ₁₅ ClN ₂ O
Molecular Weight:	358.82
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (92.89 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7869 mL	13.9346 mL	27.8691 mL
	5 mM	0.5574 mL	2.7869 mL	5.5738 mL
	10 mM	0.2787 mL	1.3935 mL	2.7869 mL

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

BIOLOGICAL ACTIVITY

Description

4-(4,5-Diphenyl-1H-imidazol-2-yl)benzoyl chloride (DIB-Cl) is a fluorescent labeling reagent. 4-(4,5-Diphenyl-1H-imidazol-2-yl)benzoyl chloride can be used for labeling amines and successfully being applied to determine activator amines by HPLC^[1].

REFERENCES

[1]. Wada M, et al. Sensitive high-performance liquid chromatographic determination with fluorescence detection of phenol and chlorophenols with 4-(4,5-diphenyl-1H-imidazol-2-yl)benzoyl chloride as a labeling reagent. J Chromatogr B Biomed Sci Appl. 1999 Jan 22;721(2):179-86.

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

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