



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### 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

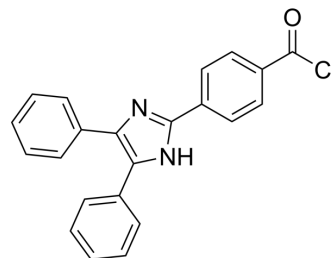
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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

<b>Cat. No.:</b>	HY-D0059
<b>CAS No.:</b>	162756-62-9
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>15</sub> ClN <sub>2</sub> O
<b>Molecular Weight:</b>	358.82
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-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<sup>[1]</sup>.

### 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