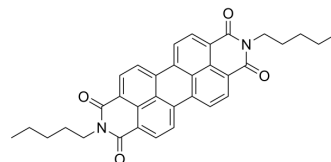


## N,N'-Dipentyl-3,4,9,10-perylenedicarboximide

Cat. No.:	HY-W251144
CAS No.:	76372-75-3
Molecular Formula:	C <sub>34</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	530.61
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

N,N'-Dipentyl-3,4,9,10-perylenedicarboximide (PTCDI-C5) is an organic semiconductor compound with excellent electron transport activity. N,N'-Dipentyl-3,4,9,10-perylenedicarboximide exhibits high performance in organic field effect transistors (OFETs) and can effectively improve the carrier mobility of the device. The application of N,N'-Dipentyl-3,4,9,10-perylenedicarboximide in organic photovoltaic (OPV) materials enhances the light absorption performance, thereby improving the photoelectric conversion efficiency. N,N'-Dipentyl-3,4,9,10-perylenedicarboximide has also been widely studied for the development of high-performance sensors and fluorescent materials.

**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