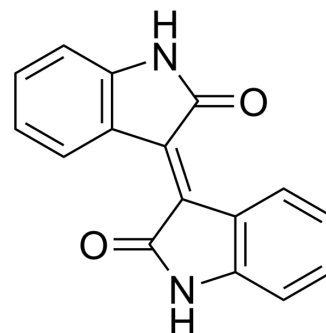


## Isoindigo

<b>Cat. No.:</b>	HY-107869		
<b>CAS No.:</b>	476-34-6		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	262.26		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (95.33 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.8130 mL	19.0650 mL	38.1301 mL
5 mM	0.7626 mL	3.8130 mL	7.6260 mL
10 mM	0.3813 mL	1.9065 mL	3.8130 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Isoindigo is the acceptor of donor-acceptor (D-A) conjugated polymer, as well as an Indigo series dye. Isoindigo equips two lactam rings and strong electron-withdrawing character. Isoindigo can be used for dyeing and pigment preparation. Isoindigo shows high mobility and good ambient stability in FETs<sup>[1]</sup>.

### REFERENCES

- [1]. Lei T, Wang JY, Pei J. Design, synthesis, and structure-property relationships of isoindigo-based conjugated polymers. *Acc Chem Res.* 2014 Apr 15;47(4):1117-26.
- [2]. Stalder R, et al. Isoindigo, a versatile electron-deficient unit for high-performance organic electronics[J]. *Chemistry of Materials*, 2014, 26(1): 664-678.

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

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