

Product Information

ZLN005, Purity \geq 98%

Cat. No.: X24-09-YM1243

Size: 10 mg; 25 mg; 50 mg; 100 mg

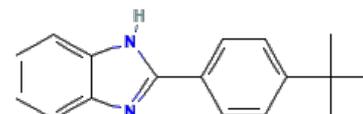
MDL: MFCD01560221

CAS Number: 49671-76-3

Compound CID: 899323

Synonym: 49671-76-3; ZLM-005; ZLN 005; 2-(4-*Tert*-butylphenyl)-1*H*-benzimidazole

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	ZLN005, soluble in DMSO and ethanol and insoluble in water, is a PGC-1 α transcriptional regulator. The molecular weight of the compound is 250.34, and its molecular formula is C ₁₇ H ₁₈ N ₂ .
Molecular Weight	250.34
Molecular Formula	C ₁₇ H ₁₈ N ₂
IUPAC Name	2-(4- <i>Tert</i> -butylphenyl)-1 <i>H</i> -benzimidazole
InChI	InChI=1S/C17H18N2/c1-17(2,3)13-10-8-12(9-11-13)16-18-14-6-4-5-7-15(14)19-16/h4-11H,1-3H3,(H,18,19)
InChI Key	LQUNNCQSFFKSSK-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)C1=CC=C(C=C1)C2=NC3=CC=CC=C3N2
Form	Lyophilized powder
Purity	\geq 98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 36 mg/mL (143.8 mM); Water: insoluble; Ethanol: 2 mg/mL (7.98 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	ZLN005 can be studied extensively for its potential therapeutic applications in the treatment of infectious diseases caused by RNA viruses, such as flaviviruses.
Storage	Store at -20°C, and keep desiccated.