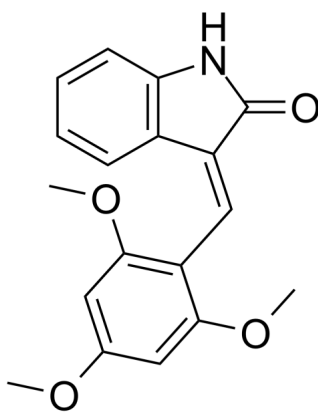


Certificate of Analysis

Catalog Number	BP10851
Product Name	IC261

Physical and Chemical Properties

Synonyms	SU-5607
CAS No.	186611-52-9
Chemical Formula	C ₁₈ H ₁₇ NO ₄
Molecular Weight	311.337
Solubility	Ethanol: <1 mg/mL H ₂ O: <1 mg/mL; DMSO: 58 mg/mL (186.3 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	IC261 is a novel inhibitor of CK1, triggers the mitotic checkpoint control. The IC50 of IC261 for CK1 was 16 μ M and for Cdk5 is 4.5 mM.
Targets&IC50	CK1: 16 μ M, CDK5: 4.5 mM.
In vitro	Cultures of MEFs of different genotypes (p53+/+, p53+/7, p537/7) are treated with the inhibitor IC261 in the low micromolar range (1 μ M). After 12, 24, 48 hours exposure, the effects of IC261 on cell cycle distribution are measured by flow cytometry.(Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022