


Certificate of Analysis

Catalog Number	BP13933
Product Name	ICG001

Physical and Chemical Properties

Synonyms	PRI-724 isomer, PRI-724
CAS No.	847591-62-2
Chemical Formula	C33H32N4O4
Molecular Weight	548.63
Solubility	Ethanol: 27.4 mg/mL (50 mM) DMSO: 54.9 mg/mL (100 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	ICG-001 antagonizes Wnt/ β -catenin/TCF-mediated transcription and specifically binds to element-binding protein (CREB)-binding protein (CBP) with IC50 of 3 μ M, but is not the related transcriptional coactivator p300.
Targets&IC50	CBP:3 μ M

In vitro	PRI-724 binds specifically to CBP but not the related transcriptional coactivator p300, thereby disrupting the interaction of CBP with β -catenin. Treatment with PRI-724 selectively induces apoptosis in colon carcinoma cells but not in normal colonic epithelial cells and reduces in vitro growth of colon carcinoma cells.
In vivo	PRI-724 exhibits antitumor activity in the mouse xenograft models of colon cancer. The initial results of the Phase I clinic trial of PRI-724 has been disclosed publically. The drug exhibits an acceptable toxicity profile with only one dose-limiting toxicity of grade 3 reversible hyperbilirubinaemia. An Open-Label dose-escalation phase I/II study of PRI-724 for patients with advanced myeloid malignancies is still ongoing.

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

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