

Product Name: QS 11

Catalog No.: 3324

Batch No.: 3

CAS Number: 944328-88-5

IUPAC Name: (2S)-2-[2-(Indan-5-yloxy)-9-(1,1'-biphenyl-4-yl)methyl]-9H-purin-6-ylamino]-3-phenyl-propan-1-ol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₆H₃₃N₅O₂·¼H₂O

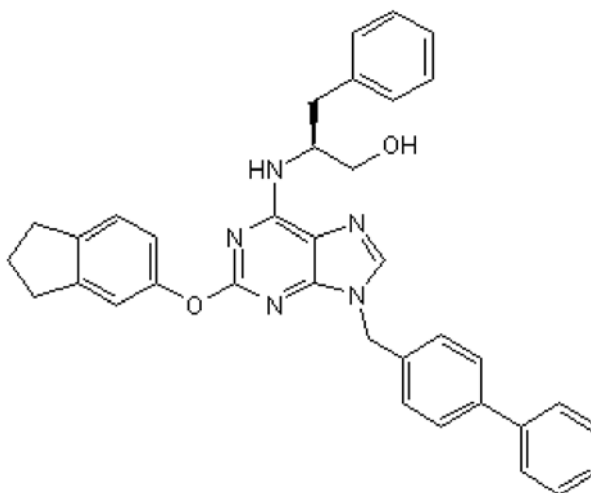
Batch Molecular Weight: 572.18

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	75.57	5.9	12.24
Found	75.69	5.84	12.08

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Description:

QS 11 is a GTPase activating protein of ADP-ribosylation factor 1 (ARFGAP1) inhibitor. Modulates ARF-GTP levels and synergizes with the Wnt/ β -catenin signaling pathway to upregulate β -catenin nuclear translocation. Also reduces in vitro migration of metastatic human breast cancer cells.

Physical and Chemical Properties:

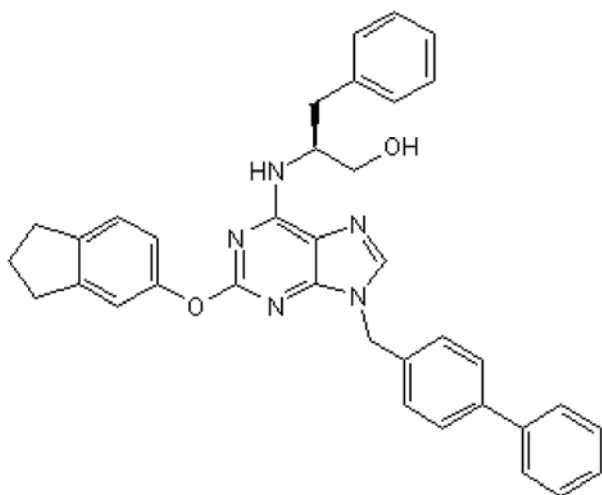
Batch Molecular Formula: C₃₆H₃₃N₅O₂·½H₂O

Batch Molecular Weight: 572.18

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Emre et al (2007) A chemical approach to stem cell biology *Curr.Opin.Chem.Biol.* **11** 252. PMID: 17493865 .

Zhang et al (2007) Small-molecule synergist of the Wnt/ β -catenin signaling pathway. *Proc.Natl.Acad.Sci.USA* **104** 7444. PMID: 17460038.

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