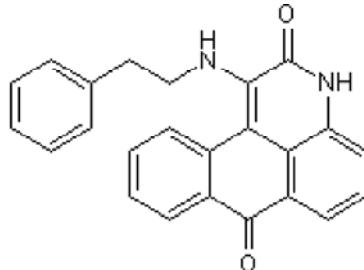


Certificate of Analysiswww.tocris.com**Product Name:** BRD 7389**Catalog No.:** 4037**Batch No.:** 1

CAS Number: 376382-11-5

IUPAC Name: 1-[(2-Phenylethyl)amino]-3*H*-naphtho[1,2,3-*de*]quinoline-2,7-dione**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₂₄H₁₈N₂O₂.0.33H₂O**Batch Molecular Weight:** 372.4151**Physical Appearance:** Brown solid**Solubility:** DMSO to 100 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 97.0% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 77.42 5.05 7.52

Found 77.33 4.91 7.64

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

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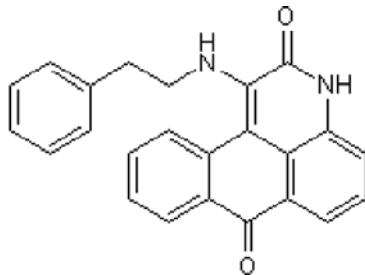
Description:

BRD 7389 is a ribosomal S6 kinase (RSK) inhibitor (IC_{50} values are 1.2, 1.5 and 2.4 μ M for RSK3, RSK1 and RSK2 respectively). Upregulates insulin expression in terminally differentiated pancreatic α -cells.

Physical and Chemical Properties:Batch Molecular Formula: $C_{24}H_{18}N_2O_2$.0.33H₂O

Batch Molecular Weight: 372.4151

Physical Appearance: Brown solid

Minimum Purity: $\geq 97\%$ **Batch Molecular Structure:****Storage:** Store at -20°C**Solubility & Usage Info:**

DMSO 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:

Fomina-Yadlin et al (2010) Small molecule inducers of Ins expression in pancreatic alpha cells. Proc.Natl.Acad.Sci. USA **107** 15099.

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