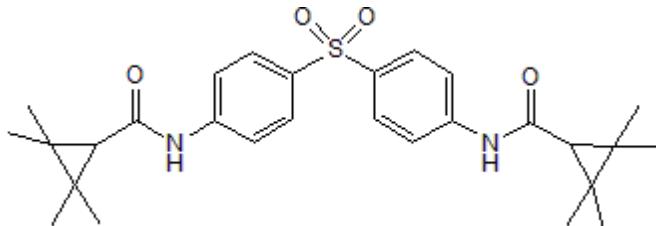


Certificate of Analysiswww.tocris.com**Product Name:** BRD 7116**Catalog No.:** 5336**Batch No.:** 1

CAS Number: 329059-55-4

IUPAC Name: *N,N*-(Sulfonyldi-4,1-phenylene)bis[2,2,3,3-tetramethylcyclopropanecarboxamide]**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₂₈H₃₆N₂O₄S**Batch Molecular Weight:** 496.66**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM
ethanol to 20 mM**Storage:** Store at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.42 (Ethyl acetate:Petroleum ether [2:3])**HPLC:** Shows 98.7% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 67.71 7.31 5.64

Found 67.64 7.24 5.68

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

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Product Name: BRD 7116**Catalog No.:** 5336**Batch No.:** 1

CAS Number: 329059-55-4

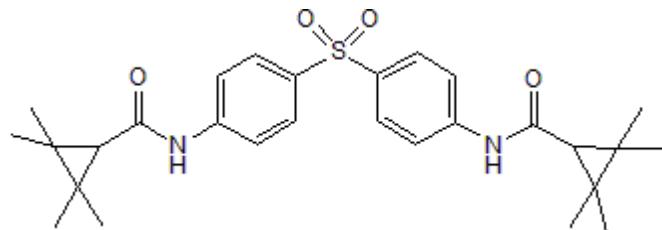
IUPAC Name: *N,N*-(Sulfonyldi-4,1-phenylene)bis[2,2,3,3-tetramethylcyclopropanecarboxamide]**Description:**

Inhibitor of leukemia stem cell (LSC) activity ($EC_{50} = 200$ nM). Exhibits >100-fold selectivity for LSCs over normal hematopoietic stem cells.

Physical and Chemical Properties:Batch Molecular Formula: $C_{28}H_{36}N_2O_4S$

Batch Molecular Weight: 496.66

Physical Appearance: White solid

Minimum Purity: >98%**Batch Molecular Structure:****Storage:** Store at +4°C**Solubility & Usage Info:**DMSO to 100 mM
ethanol to 20 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:

Hartwell *et al* (2013) Niche-based screening identifies small-molecule inhibitors of leukemia stem cells. *Nat.Chem.Biol.* **9** 840. PMID: 24161946.

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