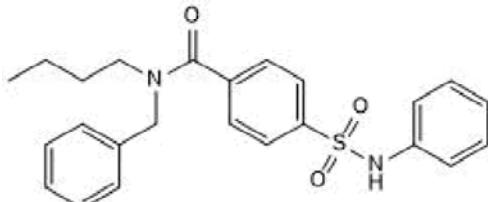


Certificate of Analysiswww.tocris.com**Product Name:** TH 257**Catalog No.:** 6899**Batch No.:** 1

CAS Number: 2244678-29-1

IUPAC Name: *N*-Butyl-4-[(phenylamino)sulfonyl]-*N*-(phenylmethyl)benzamide**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₂₄H₂₆N₂O₃S**Batch Molecular Weight:** 422.54**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM
ethanol to 100 mM**Storage:** Store at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.26 (Ethyl acetate:Petroleum ether [1:1])**HPLC:** Shows 99.5% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 68.22 6.2 6.63

Found 68.1 6.17 6.7

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of Worldwww.tocris.com/distributors

Tel: +1 612 379 2956

Product Information

www.tocris.com**Product Name:** TH 257**Catalog No.:** 6899**Batch No.:** 1

CAS Number: 2244678-29-1

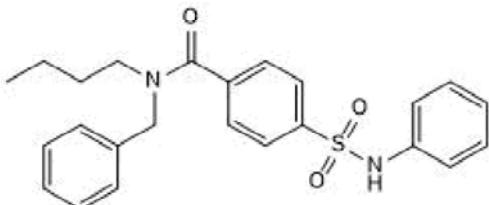
IUPAC Name: *N*-Butyl-4-[(phenylamino)sulfonyl]-*N*-(phenylmethyl)benzamide**Description:**

Potent and selective allosteric LIMK 1/2 inhibitor (IC_{50} values are 84 and 39 nM, respectively). Inhibits cofilin phosphorylation in vitro. Exhibits no significant activity against the wider kinase.

Physical and Chemical Properties:Batch Molecular Formula: $C_{24}H_{26}N_2O_3S$

Batch Molecular Weight: 422.54

Physical Appearance: 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.

Licensing Information:

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the TH 257 probe summary on the SGC website.

References:

Manetti *et al* (2018) Recent advances in the rational design and development of LIM kinase inhibitors are not enough to enter clinical trials. *Eur.J.Med.Chem.* **155** 445. PMID: 29908439.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of Worldwww.tocris.com/distributors

Tel: +1 612 379 2956