

Product Name: NSC 636819

Catalog No.: 5287

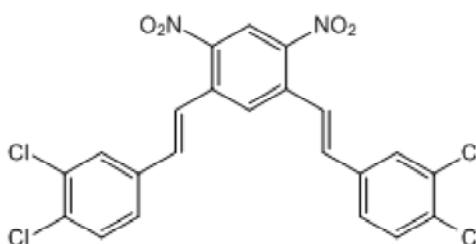
Batch No.: 1

CAS Number: 1618672-71-1

IUPAC Name: 1,5-Bis[(1*E*)-2-(3,4-dichlorophenyl)ethenyl]-2,4-dinitrobenzene

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₁₂Cl₄N₂O₄
Batch Molecular Weight: 510.15
Physical Appearance: Orange solid
Solubility: DMSO to 10 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.75 (Chloroform:Petrol ether[4:1])
HPLC: Shows 98.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.8	2.37	5.49
Found	52.02	2.49	5.42

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 World

www.tocris.com/distributors
Tel:+1 612 379 2956

Product Name: NSC 636819

Catalog No.: 5287

Batch No.: 1

CAS Number: 1618672-71-1

IUPAC Name: 1,5-Bis[(1E)-2-(3,4-dichlorophenyl)ethenyl]-2,4-dinitrobenzene

Description:

KDM4A/KDM4B inhibitor; inhibits histone demethylase activity on H3K9me3 and induces apoptosis in LNCaP prostate cancer cells in vitro. Also negatively regulates androgen-responsive genes.

Physical and Chemical Properties:

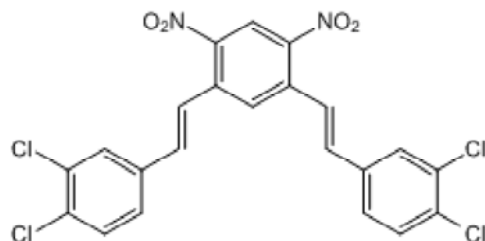
Batch Molecular Formula: C₂₂H₁₂Cl₄N₂O₄

Batch Molecular Weight: 510.15

Physical Appearance: Orange solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Chu *et al* (2014) KDM4B as a target for prostate cancer: structural analysis and selective inhibition by a novel inhibitor. *J.Med.Chem.* **57** 5975. PMID: 24971742.

Storage: Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 10 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.

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 World

www.tocris.com/distributors
Tel:+1 612 379 2956