Print Date: Jun 29th 2022

Certificate of Analysis

www.tocris.com

Product Name: **Kinesore** **Catalog No.: 6664** **Batch No.: 1**

CAS Number: 363571-83-9

IUPAC Name: 3,5-Dibromo-*N*′-((2,5-dimethyl-1-(3-nitrophenyl)-1*H*-pyrrol-3-yl)methylene)-4-hydroxybenzohydrazide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{20}H_{16}Br_2N_4O_4$

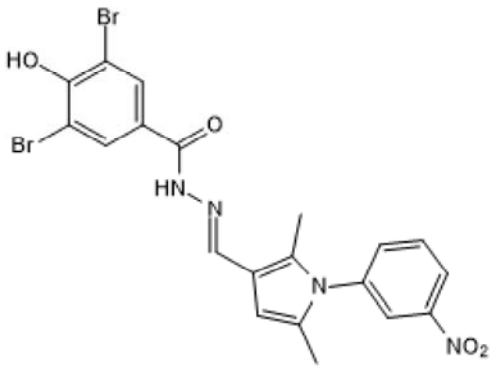
Batch Molecular Weight: 536.17

Physical Appearance: Beige solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.2% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	44.8	3.01	10.45
Found	44.65	2.95	10.39

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: **Kinesore** **Catalog No.: 6664** **Batch No.: 1**

CAS Number: 363571-83-9

IUPAC Name: 3,5-Dibromo-*N*′-((2,5-dimethyl-1-(3-nitrophenyl)-1*H*-pyrrol-3-yl)methylene)-4-hydroxybenzohydrazide

Description:

Kinesore is a kinesin-1 modulator. Inhibits SKIP-KLC2 interaction, but promotes kinesin-1 function in controlling the organization of the microtubule network. Induces remodeling of the microtubule network and the formation of extensive microtubule-rich projections. Cell permeable.

Physical and Chemical Properties:

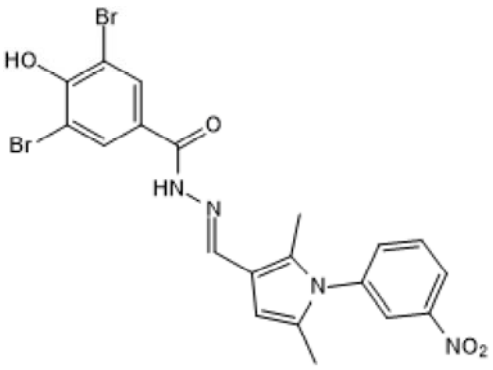
Batch Molecular Formula: $C_{20}H_{16}Br_2N_4O_4$

Batch Molecular Weight: 536.17

Physical Appearance: Beige solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°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 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:

Randall *et al* (2017) A small-molecule activator of kinesin-1 drives remodeling of the microtubule network. Proc.Natl.Acad.Sci.USA ***114*** 13743. PMID: 29229862.