Product datasheet

Vinorelbine tartrate (Navelbine) ab142167

Overview

Product name: Vinorelbine tartrate (Navelbine)
Description: Selective mitotic microtubule antagonist
Biological description: Selective mitotic microtubule antagonist. Inhibits multiple human tumor cell lines ($IC_{50} = 1.25 \text{ nM}$ in HeLa cells). Blocks metaphase/anaphase transition ($IC_{50} = 3.8 \text{ nM}$). Active in vivo. Orally active. Shows antimitotic and antitumor activity.
Purity: > 98%

Properties

Chemical name: 3',4'-Didehydro-4'-deoxy-C'-norvincaleukoblastine ditartrate
Molecular weight: 1079.11
Chemical structure:

![Chemical structure of Vinorelbine tartrate](image)

Molecular formula: $C_{45}H_{54}N_{4}O_{8}.2C_{4}H_{6}O_{6}$
CAS Number: 125317-39-7
PubChem identifier: 607791
Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview: Soluble in water to 100 mM and in DMSO to 100 mM
Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.
Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
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Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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