

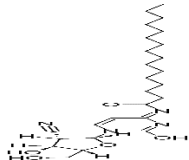
PRODUCT: Sapacitabine

ALTERNATE NAMES: N-(1-((2R,3S,4S,5R)-3-cyano-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-2-oxo-1,2-dihydropyrimidin-4-yl)palmitamide ; CS682; CYC682; CYC-682

CATALOG NUMBER: B2002-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₄₂N₄O₅

MOLECULAR WEIGHT: 490.64

CAS NUMBER: 151823-14-2

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Sapacitabine is an orally bioavailable nucleoside analog prodrug that is potentially useful for treatment of hematologic malignancies and solid tumors. The active metabolite of sapacitabine, CNDAC (2'-C-cyano-2'-deoxy-1-β-D-arabino-pentofuranosylcytosine), displays the unique mechanism of action of causing single-strand breaks (SSBs) after incorporation into DNA, which are converted into double-strand breaks (DSBs) when cells enter a second S-phase.

REFERENCES: Liu, X., *et al.* (2012). *Expert Opin. Investing. Drugs* **21**, 541-555.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Betulinic Acid (Cat. No. 1552-25)
- Bexarotene (Cat. No. 1575-5, 50)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (Cat. No. 1553-100)
- Cisplatin (Cat. No. 1550-100,1000)
- Colchicine (Cat. No. 1519-1000)
- Daunorubicin.HCl (1524-10,50,500)
- Docetaxel (Cat. No. 2232-10, 50)
- Doxorubicin HCl (Cat. No. 1527-5)
- (-)-Epigallocatechin gallate (Cat. No. 1841-50)
- Epothilone B (Cat. No. 2012-1, 5)
- Fludarabine Phosphate (Cat. No. 1763-10, 50)
- Gemcitabine Hydrochloride (Cat. No. 1759-25, 100)
- Genistein (Cat. No. 1533-10)
- Lasalocid Sodium (Cat. No. B1587-5,25)
- Ilimaquinone (Cat. No. 2038-100)
- Nedaplatin (Cat. No. 1576-5)
- Nocodazole (Cat. No. 2185-10, 50)
- Oxaliplatin (Cat. No. 1577-25)
- Piperlongumine (Cat. No. 1919-10, 50)
- Paclitaxel (Cat. No. 1567-25)
- Solamargine (Cat. No. B1586-5,25)
- Tamoxifen Citrate (Cat. No. 1551-1000)
- Valrubicin (AD-32) (Cat. No. B1833-5,25)
- Vinorelbine Tartrate (Cat. No. 1957-5, 25)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**