

CISPLATIN

ITEM NO. LSHB-OP-2000001185-50MG

HUB PRODUCTS

PRODUCT DATASHEET

For Research Use Only

DESCRIPTION:

Potent platinum-based antineoplastic agent [1, 10]. Anticancer compound [1]. Forms inter- and intrastrand DNA adducts/crosslinks, consequently blocking DNA replication and transcription and inducing cell death [2, 12, 13, 15]. Nephrotoxic when used in vivo [3]. Potent chemoimmunotherapeutic. Stimulates the immune responses by activating macrophages and other cells of the immune system [4, 6]. Apoptosis inducer via p53-dependent and -independent mechanisms [5, 7, 8]. Induces apoptosis through caspase-3 activation and XIAP expression inhibition [9, 14]. Targets other proteins and enzymes [10]. Non-competitive NHE-1 inhibitor, an archetypal, membrane-bound mechanosensitive sodium-hydrogen ion transporter [16].

SPECIFIC AGAINST:

Other

BACKGROUND:

TYP:

Chemicals

CATEGORY:

Reagents & Chemicals/APIs

DETAILED - CATEGORY:

Biochemical Compounds

HOW TO HANDLE/USE THE PRODUCT:

STORAGE CONDITIONS:

Stable for 2 years after receipt when stored at +4°C.

STORAGE BUFFER:

Solid

SHIPPED ON DRY ICE:

No

