

## Datopotamab deruxtecan

#Cat: NB-64-27091-1mg      Size: 1 mg

#Cat: NB-64-27091-5mg      Size: 5 mg

### Chemical Properties:

CAS No: 2238831-60-0

Formula:

Molecular Weight:

Datopotamab deruxtecan

Appearance: no data available

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description:

<b>Description</b>	Datopotamab deruxtecan (DS-1062) is a trophoblast cell surface antigen 2 (TROP2)- targeted antibody-drug conjugate (ADC) with antitumor activity. Datopotamab deruxtecan induces significant antibody-dependent cellular cytotoxicity in the presence of peripheral blood lymphocytes and inhibits tumor growth in xenograft models.
<b>Targets (IC50)</b>	Antibody-Drug Conjugates (ADCs), Topoisomerase
<b>In vitro</b>	Datopotamab deruxtecan specifically binds to TROP2. 100 µg/mL Datopotamab deruxtecan is internalized into the tumor cell and reaches the lysosome via the intracellular transport pathway and releases Deruxtecan. In vitro experiments Datopotamab deruxtecan caused DNA damage and triggered apoptosis in tumor cells expressing TROP2. [1]
<b>In vivo</b>	Datopotamab deruxtecan exhibited significant antitumor activity in a variety of TROP2- expressing xenograft tumors, and 6 mg/kg Datopotamab deruxtecan treatment of a patient-derived xenograft (PDX) model of non-small-cell lung cancer (NSCLC) induced tumor regression. In addition, Datopotamab deruxtecan has an acceptable safety profile in rats and crab-eating monkeys. [1]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins  
 This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use