



Nedisertib [BSA] (DAG-WT433)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This product is ELISA-paired with CABT-L7824
Species	N/A
Conjugate	BSA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	0.01M PBS, pH7.4
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

BACKGROUND

Introduction	<p>Peposertib is an orally bioavailable inhibitor of DNA-dependent protein kinase (DNA-PK) with potential antineoplastic activity, and potential sensitizing and enhancing activities for both chemo- and radiotherapies. Upon administration, peposertib binds to and inhibits the activity of DNA-PK, thereby interfering with the non-homologous end joining (NHEJ) process and preventing repair of DNA double strand breaks (DSBs) caused by ionizing radiation or chemotherapeutic treatment. This increases chemo- and radiotherapy cytotoxicity and leads to enhanced tumor cell death. The enhanced ability of tumor cells to repair DSBs plays a major role in the resistance of tumor cells to chemo- and radiotherapy; DNA-PK plays a key role in the NHEJ pathway and DSB repair.</p>
Keywords	Nedisertib; DNA-PK; Peposertib; BSA conjugates