

Product Name	CSN3250 hydrochloride Ho OH HO OH	
Synonyms	CSN-3250 O ₂ N-C>-NO ₂	
Cat No.	/12224	
CAS Number	561902-79-1 N HCI	
Molecular Formula	31H41CIN408	
Formula Weight	33.14	
Chemical Name	5,5-(1-(3-(azacyclotridecan-1-yl)propyl)-1H-pyrrole-3,4-diyl)bis(3-nitrobenzene-1,2-diol) hydrochloride	
Description	CSN3250 (ICSN-3250) hydrochloride is a halitulin-analogue that acts as a new-class, specific mTOR inhibitor thron nechanism distinct from previous mTOR inhibitors; ICSN3250 is not a kinase inhibitor of mTOR, competes with a lisplaces phosphatidic acid from the FRB domain in mTOR, thus preventing mTOR activation and leading to cytot lisplays no inhibitory capacity towards PI3K α , β , γ , or δ ; inhibits mTORC1 by following an unprecedented mechan hvolved its competition with PA at the FRB domain of mTOR to overcome the TSC negative regulation of mTORC CSN3250 specifically targets cancer cells both in vitro and ex vivo.	nd toxicity; nism that
Pathway	PI3K/Akt/mTOR signaling	
Target	nTOR	
Receptor	nTOR	
Solubility		
SMILES	C1CCCCCCN(CCCCC1)CCCN2C=C(C(=C2)C3=CC(=C(C(=C3)O)O)[N+](=O)[O-])C4=CC(=C(C(=C4)O)O)[N+](=O)	[O-].Cl
Storage	-20 °C)	
Stability	2 years	
Reference		

1. Nguyen TL, et al. Cancer Res. 2018 Jul 27. pii: canres.0232.2018.

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