



Tazobactam sodium PRODUCT DATA SHEET

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Product Name:	Tazobactam sodium
Product Number:	T031
CAS Number:	89785-84-2
Molecular Formula:	$C_{10}H_{11}N_4NaO_5S$
Molecular Weight:	322.27
Form:	Powder
Appearance:	White or off-White Crystalline Powder
Water Content (Karl Fisher):	$\leq 4.0\%$
pH:	5.0-7.0
Storage Conditions:	2-8°C
Description:	Tazobactam sodium is a penicillin derived β -lactamase inhibitor.
Mechanism of Action:	Tazobactam increases efficacy of β -lactam antibiotics by inactivating β -lactamase enzymes of β -lactam resistant microbes.
Microbiology Applications	Tazobactam is often combined with piperacillin to prevent degradation from β -lactamase secreting cells.
References:	Wishart, David. "Tazobactam." DrugBank. The Metabolomics Innovation Center, 13 June 2005. Web. 23 Aug. 2012.

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