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## DATASHEET

Tianeptine sodium salt

### Product overview

<b>Name</b>	Tianeptine sodium salt
<b>Cat No</b>	HB1704
<b>Biological action</b>	Activator
<b>Purity</b>	>98%
<b>Description</b>	Selective 5-HT uptake enhancer

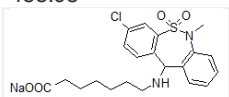
### Biological Data

<b>Biological description</b>	Selective 5-HT uptake enhancer. Modulates glutamergic transmission and shows neuroprotective and antidepressant effects. Also shows activity at $\mu$ -opioid receptor agonist ( $K_i = 383$ nM). Active <i>in vitro</i> and <i>in vivo</i> .
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature (desiccate)
<b>Solubility overview</b>	Soluble in water (100mM), and in DMSO (10mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	7-[(3-Chloro-6,11-dihydro-6-methyl-5,5-dioxidodibenzo[c,f][1,2]thiazepin-11-yl)amino] heptanoic acid sodium salt
<b>Molecular Weight</b>	458.93
<b>Chemical structure</b>	
<b>Molecular Formula</b>	$C_{21}H_{24}ClN_2NaO_4S$
<b>CAS Number</b>	30123-17-2
<b>PubChem identifier</b>	23663953
<b>SMILES</b>	<chem>CN1C2=CC=CC=C2C(S1(=O)=O)C=C(C=C3Cl)NCCCCCCC(=O)[O-].[Na+]</chem>
<b>InChi</b>	InChI=1S/C21H25ClN2O4S.Na/c1-24-18-9-6-5-8-16(18)21(23-13-7-3-2-4-10-20(25)26)17-12-11-15(22)14-19(17)29(24,27)28;/h5-6,8-9,11-12,14,21,23H,2-4,7,10,13H2,1H3,(H,25,26);/q;+1/p-1
<b>InChiKey</b>	ZLBSUOGMZDXYPE-UHFFFAOYSA-M
<b>MDL number</b>	MFCD00879851
<b>Appearance</b>	White solid