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DATASHEET

Tianeptine sodium salt

Product overview

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

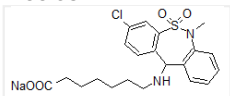
Biological Data

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

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

Chemical Data

Chemical name	7-[(3-Chloro-6,11-dihydro-6-methyl-5,5-dioxidodibenzo[c,f][1,2]thiazepin-11-yl)amino] heptanoic acid sodium salt
Molecular Weight	458.93
Chemical structure	
Molecular Formula	$C_{21}H_{24}ClN_2NaO_4S$
CAS Number	30123-17-2
PubChem identifier	23663953
SMILES	<chem>CN1C2=CC=CC=C2C(C3=C(S1(=O)=O)C=C(C=C3)Cl)NCCCCCCC(=O)[O-].[Na+]</chem>
InChi	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
InChiKey	ZLBSUOGMZDXYKE-UHFFFAOYSA-M
MDL number	MFCD00879851
Appearance	White solid