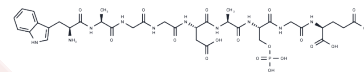


## Delta (Phospho) Sleep Inducing Peptide

## Chemical Properties

CAS No. :	70754-23-3
Formula:	C <sub>35</sub> H <sub>49</sub> N <sub>10</sub> O <sub>18</sub> P
Molecular Weight:	928.79
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Delta (Phospho) Sleep Inducing Peptide (DSIP-P), a peptide that promotes sustained sleep, induces changes in circadian locomotor activity in rats [1][2][3].
In vitro	Delta (Phospho) Sleep Inducing Peptide, at concentrations ranging from 20 to 300 nM, enhances the activity of rat pineal N-acetyltransferase (NAT), which is stimulated by norepinephrine in vitro [3].
In vivo	Delta (Phospho) Sleep Inducing Peptide (0.1 nmol/kg; i.v.; once daily for 4 times) alters circadian locomotor activity [1]. Administered into the third cerebroventricle of male rats at 20 or 200 pmol/kg immediately before the dark period, it enhances slow-wave and paradoxical sleep during the dark period, with 200 pmol/kg doing so without reducing sleep latency [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0767 mL	5.3833 mL	10.7667 mL
5 mM	0.2153 mL	1.0767 mL	2.1533 mL
10 mM	0.1077 mL	0.5383 mL	1.0767 mL
50 mM	0.0215 mL	0.1077 mL	0.2153 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481