

## Emideltide (acetate)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Emideltide, also known as delta sleep-inducing peptide (DSIP), is a synthetic nonapeptide sedative.1
Targets(IC50)	Others
In vivo	In vivo, emideltide (30 nmol/kg, i.v.) increases EEG delta activity and induces orthodox slow-wave sleep in free-moving rabbits. It also increases non-rapid eye movement (NREM) and total sleep in free-moving rats.2

## Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL, Sonication is recommended. DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Monnier, M., Dudler, L., Gächter, R., et al. Delta sleep-inducing peptide (DSIP): EEG and motor activity in rabbits following intravenous administration. *Neurosci. Lett.* 6(1)9-13(1977)

Kafi, S., Monnier, M., and Gallard, J.M. The delta-sleep inducing peptide (DSIP) increases duration of sleep in rats. *Neurosci. Lett.* 13(2)169-172(1979)

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