

## Analytical Data

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**Code:** 4482-s

**Compound:** Orexin-A (Human,17-33)  
Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-  
Leu-Thr-Leu-NH<sub>2</sub>

(M. W. 1748.98) C<sub>79</sub> H<sub>125</sub> N<sub>23</sub> O<sub>22</sub>

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**Appearance** : White amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{20} -97.4^\circ$  (c\* 0.09, 1% AcOH)

\* c value was calculated from the net peptide weight.

**\* Elemental Analysis**

Found C, 51.22 ; H, 7.22 ; N, 16.63 %

**\* Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (1)1.00	Thr (1)0.96	Glu (1)1.01	Gly (3)2.96
Ala (3)2.99	Ile (1)0.98	Leu (4)4.00	Tyr (1)0.93
NH <sub>3</sub> (2)2.04	His (2)2.03		

**Mass Spectral Analysis** : Exhibits correct MW

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Sample : 4482-s Orexin-A (Human)  
Sample Size : 1.0  $\mu$ L ( 0.11 mg/ 22  $\mu$ L-1M AcOH )  
Column : YMC Pack ODS-A (4.6 mm I.D.  $\times$  150 mm) #0415227715(W) + G (4 $\times$ 10 mm)  
Eluent : 0.1M NaCl (pH 2.4)  
Gradient : Acetonitrile 10 % to 60 % [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 149 kg/cm<sup>2</sup> , ; Temp. : 25  $^{\circ}$ C  
Detection : CH.1 210 nm

