

## Analytical Data

**Code:** 4483-s

**Compound:** [Ala<sup>11</sup>, D-Leu<sup>15</sup>]-Orexin B (Human)  
Arg-Ser-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Ala-Gln-Arg-Leu-D-Leu-  
Gln-Ala-Ser-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH<sub>2</sub>  
(M. W. 2857.26) C<sub>120</sub> H<sub>206</sub> N<sub>44</sub> O<sub>35</sub> S<sub>1</sub>

**Appearance** : White amorphous powder

**\* Specific Optical Rotation**

$[\alpha]_D^{25}$  -96.1 ° (c\* 0.1, 1% AcOH )

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

**\* Elemental Analysis**

Found C, 47.11 ; H, 7.26 ; N, 18.45 %

**\* Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (1) 1.00	Thr (1) 0.96	Ser (2) 1.73	Glu (3) 2.95
Pro (2) 1.99	Gly (5) 4.86	Ala (4) 3.96	Met (1) 0.95
Ile (1) 0.97	Leu (4) 3.95	His (1) 0.99	NH <sub>3</sub> (5) 5.24
Arg (3) 2.96			

**Mass Spectral Analysis** : Exhibits correct MW

Sample : 4483-s [Ala11,D-Leu15]-Orexin B (Human)  
Sample Size : 1.6  $\mu$ L ( 0.11 mg/ 22  $\mu$ L- 1% AcOH )  
Column : YMC Pack ODS-A S-3 $\mu$ m ( 4.6 mm I.D.  $\times$  150 mm) #0415227716(W) + G(4 $\times$ 10mm)  
+ G (4 $\times$ 10mm)  
Eluent : 0.1M NaCl (pH 2.4)  
Gradient : Acetonitrile 10% to 60% [25 min.]  
Flow Rate : 1.0 mL/min. , ; Press. : 172 kg/cm<sup>2</sup> , ; Temp. : 25 $^{\circ}$ C  
Detection : CH.1 210 nm

