# Product Data Sheet

**Product Name:** Orexin A, bovine, human, mouse, rat  
**Catalog Number:** AS-24470 (1 mg)  
**Lot Number:** See label on vial

**Sequence:**  
Pyr-PLPDCRQKTCSRLYELLHGAGNHAILTL-NH2  
(Disulfide bridge: 6-12 and 7-14) (1-letter code)

**Molecular Weight:** 3561.2  
**% Peak Area by HPLC:** ≥ 95

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:** Use distilled or higher quality water. Add water directly to the lyophilized peptide powder to obtain a final concentration of approximately 0.5 mg/mL to 1mg/mL or less. Gently vortex to mix. For peptides that have poor solubility in the suggested solvent, brief sonication may increase solubility in some cases.

**Storage:** Peptide is shipped at ambient temperature. Upon receipt, store lyophilized powder at –20°C or lower. Reconstituted peptide should be aliquotted into several freezer vials and stored at –20°C or lower. Do not freeze thaw.

**Description:** This hypothalamic neuropeptide has been shown to regulate feeding behavior. Ref: Sakurai, T. et al. *Cell* **92**, 573 (1998).

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