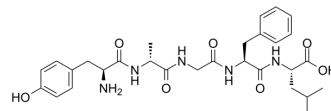


## [D-Ala2]leucine-enkephalin

<b>Cat. No.:</b>	HY-P0098												
<b>CAS No.:</b>	64963-01-5												
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>39</sub> N <sub>5</sub> O <sub>7</sub>												
<b>Molecular Weight:</b>	569.65												
<b>Sequence:</b>	Tyr-[d-Ala]-Gly-Phe-Leu												
<b>Sequence Shortening:</b>	Y-[d-Ala]-GFL												
<b>Target:</b>	Opioid Receptor												
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling												
<b>Storage:</b>	<table border="0"> <tr> <td>Powder</td> <td>-80°C</td> <td>2 years</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 year</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>6 months</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 month</td> </tr> </table>	Powder	-80°C	2 years		-20°C	1 year	In solvent	-80°C	6 months		-20°C	1 month
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In solvent	-80°C	6 months											
	-20°C	1 month											



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (87.77 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7555 mL	8.7773 mL	17.5546 mL
	5 mM	0.3511 mL	1.7555 mL	3.5109 mL
	10 mM	0.1755 mL	0.8777 mL	1.7555 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

[D-Ala2]leucine-enkephalin, a delta opioid agonist, is a degradation resistant long-acting Leu-enkephalin.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA