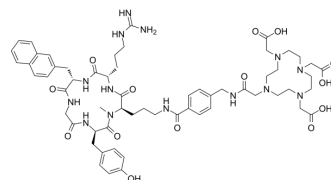


## Pentixafor

Cat. No.:	HY-153549
CAS No.:	1341207-62-2
Molecular Formula:	C <sub>60</sub> H <sub>80</sub> N <sub>14</sub> O <sub>14</sub>
Molecular Weight:	1221.36
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Sealed storage, away from moisture and light Powder    -80°C    2 years -20°C    1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

Methanol : ≥ 125 mg/mL (102.34 mM)  
DMSO : 100 mg/mL (81.88 mM; Need ultrasonic)  
\* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8188 mL	4.0938 mL	8.1876 mL
	5 mM	0.1638 mL	0.8188 mL	1.6375 mL
	10 mM	0.0819 mL	0.4094 mL	0.8188 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Pentixafor is a peptide that targets CXCR4. Pentixafor is capable of being labelled with <sup>68</sup>Gallium (<sup>68</sup>Ga) for positron emission tomography (PET) imaging<sup>[1]</sup>.

### REFERENCES

[1]. Buck AK, et al. CXCR4-targeted theranostics in oncology. Eur J Nucl Med Mol Imaging. 2022 Oct;49(12):4133-4144.

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**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](mailto:tech@MedChemExpress.com)

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