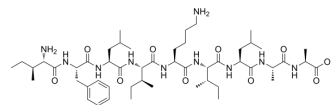


## IA9

**Cat. No.:** HY-P10136  
**Molecular Formula:** C<sub>51</sub>H<sub>88</sub>N<sub>10</sub>O<sub>10</sub>  
**Molecular Weight:** 1001.31  
**Sequence:** Ile-Phe-Leu-Ile-Lys-Ile-Leu-Ala-Ala  
**Sequence Shortening:** IFLIKILAA  
**Target:** Others  
**Pathway:** Others  
**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

H<sub>2</sub>O : ≥ 6.5 mg/mL (6.49 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		0.9987 mL	4.9935 mL	9.9869 mL
	5 mM		0.1997 mL	0.9987 mL	1.9974 mL
	10 mM		---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

IA9 (human TREM-2 182-190) is a TREM-2 inhibitor, and can diminish release of proinflammatory cytokines and dramatically suppressed joint inflammation and damage in collagen-Induced Arthritis (CIA) mice model<sup>[1]</sup>.

### REFERENCES

[1]. Sigalov AB. Inhibition of TREM-2 Markedly Suppresses Joint Inflammation and Damage in Experimental Arthritis. Int J Mol Sci. 2022;23(16):8857. Published 2022 Aug 9.

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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