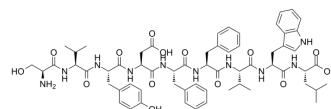


mTRP-2 (180-188)

Cat. No.:	HY-P1827
CAS No.:	219312-69-3
Molecular Formula:	C ₆₁ H ₇₈ N ₁₀ O ₁₄
Molecular Weight:	1175.33
Sequence:	Ser-Val-Tyr-Asp-Phe-Phe-Val-Trp-Leu
Sequence Shortening:	SVYDFVWL
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	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, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (42.54 mM)
 H₂O : 33.33 mg/mL (28.36 mM; ultrasonic and adjust pH to 12 with 1M NaOH)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8508 mL	4.2541 mL	8.5082 mL
	5 mM	0.1702 mL	0.8508 mL	1.7016 mL
	10 mM	0.0851 mL	0.4254 mL	0.8508 mL

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

BIOLOGICAL ACTIVITY

Description

mTRP-2 (180-188) is a murine tyrosinase-related protein 2 (TRP-2) -derived peptide, corresponding to residues 180-188. TRP-2 (180-188) is identified as the major reactive epitope within TRP-2 recognized by anti-B16 CTLs^[1].

REFERENCES

[1]. Bloom MB, et al. Identification of tyrosinase-related protein 2 as a tumor rejection antigen for the B16 melanoma. J Exp Med. 1997 Feb 3;185(3):453-9.

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

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