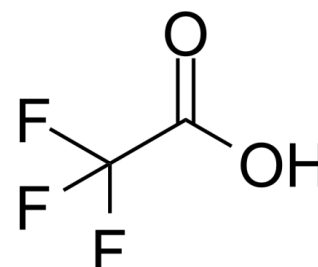


Data Sheet

Product Name:	MART-1 (26-35) (human) (TFA)
Cat. No.:	CS-0100398
Molecular Formula:	C ₄₄ H ₇₅ F ₃ N ₁₀ O ₁₆
Molecular Weight:	1057.12
Target:	Others
Pathway:	Others
Solubility:	10 mM in DMSO

EAAGIGILTV



BIOLOGICAL ACTIVITY:

MART-1 (26-35) (human) TFA is amino acid residue 26 to 35 of MART-1 protein. **In Vitro:** MART-1 (Melan-A) gene is 18 kb long and comprises five exons. It is expressed in most melanoma tumor samples, and among normal cells, only in melanocytes ^[1]. In cancer immunotherapy, epitopes and variants derived from the MART-1/Melan-A protein are widely used as clinical vaccines. The epitopes spanning amino acid residues 26–35 and 27–35 from the MART-1/Melan-A protein, highly expressed in melanoma cells, provide a prime example of T cell recognition of multiple peptides and the use of peptide variants designed to elicit altered immunological responses ^[2].

References:

[1]. Coulie PG, et al. A new gene coding for a differentiation antigen recognized by autologous cytolytic T lymphocytes on HLA-A2 melanomas. J Exp Med. 1994 Jul 1;180(1):35-42.

[2]. Borbulevych OY, et al. Structures of MART-126/27-35 Peptide/HLA-A2 complexes reveal a remarkable disconnect between antigen structural homology and T cell recognition. J Mol Biol. 2007 Oct 5;372(5):1123-36.

CAIndexNames:

L-Valine, L-α-glutamyl-L-alanyl-L-alanylglycyl-L-isoleucylglycyl-L-isoleucyl-L-leucyl-L-threonyl- (TFA)

SMILES:

OC(C(F)(F)F)=O.[EAAGIGILTV]

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

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