

Melan-A/MART-1 analog

Cat. No.:	HY-P5471
CAS No.:	204060-45-7
Molecular Formula:	C ₄₅ H ₈₀ N ₁₀ O ₁₄
Molecular Weight:	985.18
Sequence:	Glu-Leu-Ala-Gly-Ile-Gly-Ile-Leu-Thr-Val
Sequence Shortening:	ELAGIGILTV
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Melan-A/MART-1 analog ([Leu27]-Melan-A, MART-1 (26-35)) is a biological active peptide. (This Melan-A (26-35) analog, Leu substituted for Ala at position 27, shows better HLA-A*0201 binding properties as well as better immunogenicity and antigenicity than the natural Melan-A (26-35). Pyroglutamyl (pGlu) peptides may spontaneously form when either Glutamine (Q) or Glutamic acid (E) is located at the sequence N-terminus. The conversion of Q or E to pGlu is a natural occurrence and in general it is believed that the hydrophobic γ -lactam ring of pGlu may play a role in peptide stability against gastrointestinal proteases. Pyroglutamyl peptides are therefore considered a normal subset of such peptides and are included as part of the peptide purity during HPLC analysis.)

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

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