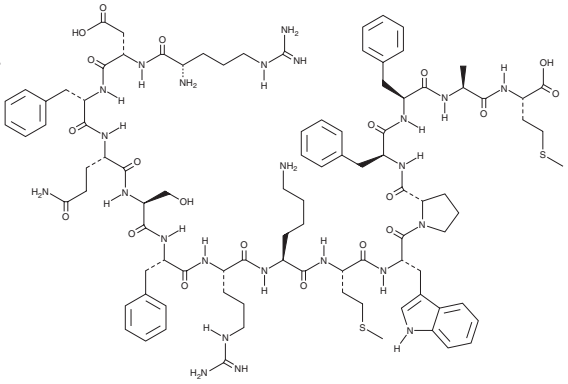
PRODUCT INFORMATION

Peptide P60

Item No. 45998

CAS Registry No.:	1319725-20-6
Formal Name:	L-arginyl-L-α-aspartyl-L-phenylalanyl-L-glutaminyl-L-seryl-L-phenylalanyl-L-arginyl-L-lysyl-L-methionyl-L-tryptophyl-L-prolyl-L-phenylalanyl-L-phenylalanyl-L-alanyl-L-methionine
Peptide Sequence:	RDFQSFRKMWPFFAM-OH
MF:	$C_{95}H_{132}N_{24}O_{20}S_2$
FW:	1,994.4
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Peptide P60 is supplied as a solid. A stock solution may be made by dissolving the peptide P60 in the solvent of choice, which should be purged with an inert gas. Peptide P60 is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of peptide P60 can be prepared by directly dissolving the solid in aqueous buffers. Peptide P60 is slightly soluble (0.1-1 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Peptide P60 is an inhibitor of forkhead box protein P3 (FOXP3).[1] It binds to recombinant human FOXP3 at 5 µM and inhibits the nuclear translocation of FOXP3-GFP in HEK293 cells at 10 µM. Peptide P60 reverses FOXP3-induced inhibition of basal NF-κB activity in HEK293T cells and PMA- and ionomycin-induced NFAT activity in Jurkat cells in reporter assays. It increases effector T cell proliferation in a mixed lymphocyte reaction at 100 µM. Peptide P60 (50 nmol/animal, i.p.) improves the immunogenicity and antitumor activity of an AH1 peptide vaccine in a CT26 murine colorectal cancer model, and it increases the efficacy of an RAdNS3 vaccine in a mouse model of hepatitis C virus (HCV) infection at the same dose.

Reference

1. Casares, N., Rudilla, F., Arribillaga, L., *et al.* A peptide inhibitor of FOXP3 impairs regulatory T cell activity and improves vaccine efficacy in mice. *J. Immunol.* **185(9)**, 5150-5159 (2010).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 09/03/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM