

Semax Specification Sheet

Semax is a synthetic heptapeptide research material related to ACTH-derived peptide sequences. This specification sheet provides product identity, physicochemical information, quality specifications, packaging information, handling guidance, and intended-use restrictions for Semax supplied for laboratory research and manufacturing applications.

Product Identity

Item	Specification
Product Name	Semax
Peptide Sequence	Met-Glu-His-Phe-Pro-Gly-Pro
Synonym(s)	ACTH(4-7) analog; heptapeptide
CAS Number	80714-61-0
Molecular Formula	C37H51N9O10S
Molecular Weight	813.90 g/mol
MDL Number	MFC04113563
PubChem Substance ID	9811102
EC / EINECS	Not applicable (synthetic)

Quality and Physical Specifications

Parameter	Specification
Physical Form	Lyophilized solid
Purity	≥98% by HPLC
Intended Grade	Research use
Analytical Method	HPLC for purity determination
Availability	Made to order

Actual batch-specific analytical results are reported in the applicable Certificate of Analysis (COA).

Packaging and Available Sizes

Semax is available in the following standard vial sizes:

Pack Size	Configuration
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Pack Size	Configuration
5 mg/vial	Lyophilized research material
10 mg/vial	Lyophilized research material

Packaging configuration, minimum order quantity, labeling, and current production availability may vary by order. Contact Sunone for current commercial and manufacturing information.

Storage and Handling

Store Semax according to the storage conditions stated on the applicable product label, batch specification, and Certificate of Analysis. Protect the material from inappropriate environmental exposure during storage and handling.

Before handling the product, review the applicable Safety Data Sheet (SDS), use suitable personal protective equipment, and follow your organization's laboratory chemical hygiene procedures.

Research Applications

Semax is supplied as a research material for controlled laboratory and analytical applications involving peptide-related biochemical pathways, molecular mechanisms, and neuroscience-related experimental models.

Descriptions of research applications are provided for technical identification and research reference purposes only and do not represent therapeutic or clinical claims.

Quality Documentation

Batch-specific documentation may be available according to the product specification and customer requirements, including Certificate of Analysis and applicable analytical information.

For current batch specifications, COA availability, analytical documentation, packaging options, and production lead time, contact the Sunone technical or commercial team.

Intended Use and Restrictions

Semax supplied through this website is intended for laboratory research and manufacturing use only.

It is not intended for human consumption, veterinary use, diagnostic use, treatment, or other unauthorized clinical applications. Products are supplied to qualified businesses subject to applicable laws and regulations in the destination country.

Related Semax Resources

Semax Product Page:

<https://52ym.com/products/semax/>

Request a Quote / Documentation:

<https://52ym.com/products/semax/#quote>

For current specifications, batch documentation, packaging requirements, or OEM/ODM inquiries, please contact Sunone through the Semax product page.