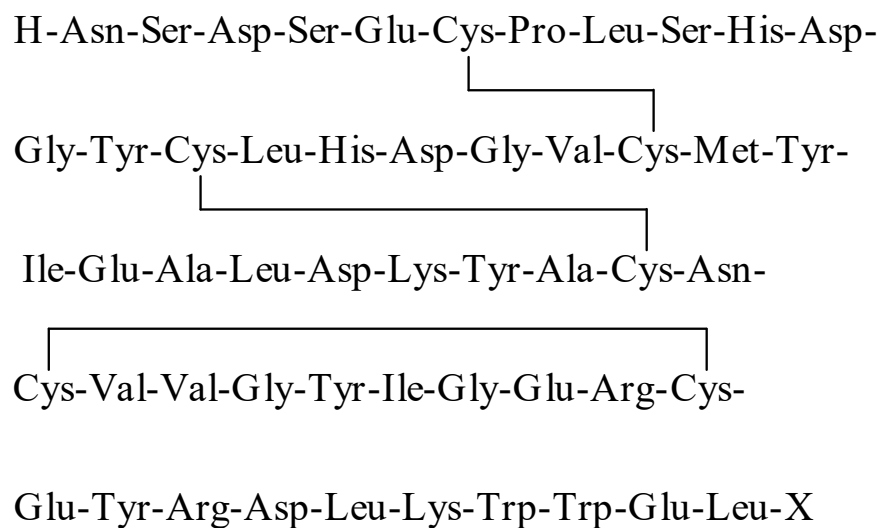




>>Entry Name: Epidermal growth factor, 9CI

Synonym(s): Urogastrone. Homogarol. Supergastrone. Ugaron. Anthelone. Uroanthelone. Gentel. EGF



b-form X = Arg-OH
g-form X = OH

CAS Registry Number: 62229-50-9

Related CAS Registry Numbers(s): 9010-53-1 39319-43-2 89147-49-9 100357-42-4 122156-75-6

Type of Compound Code(s): XA2370 XA4220

General Statement: For murine variant see Murodermin [MZV92-W](#)

Source/Synthesis: Isol. from human urine

Use/Importance: Used to treat burns, ulcers, corneal lesions. Potent inhibitor of gastric secretion, and stimulant of epidermal cell proliferation

Development Status: Launched 1987

Sigma: J5888

>>Variant: β -form

Synonym(s): β -Urogastrone (human)

CAS Registry Number: 62253-63-8

Type of Compound Code(s): VV0450 AH0450

Molecular Formula: $C_{259}H_{385}N_{71}O_{82}S_7$

Molecular Weight: 6029.779

Accurate Mass: 6025.618399

Percentage Composition: C 51.59%; H 6.44%; N 16.49%; O 21.76%; S 3.72%

Other Data: Conc. aq. solns. have a golden yellow colour and show a pale greenish-yellow fluorescence

Sigma: E9644

>>Variant: γ -form

Synonym(s): γ -Urogastrone (human)

CAS Registry Number: 62253-61-6

Type of Compound Code(s): AH0450 VV0450

Molecular Formula: $C_{253}H_{373}N_{67}O_{81}S_7$

Molecular Weight: 5873.592

Accurate Mass: 5869.517288

Percentage Composition: C 51.74%; H 6.40%; N 15.98%; O 22.06%; S 3.82%

References: