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>>Entry Name: **8,11,14-Eicosatrienoic acid**

Synonym(s): 8,11,14-Icosatrienoic acid

CAS Registry Number: 7324-41-6

Extra CAS Registry Numbers(s): 27070-56-0

$\text{H}_3\text{C}(\text{CH}_2)_4\text{CH}=\text{CHCH}_2\text{CH}=\text{CHCH}_2\text{CH}=\text{CH}(\text{CH}_2)_6\text{COOH}$

Molecular Formula:  $\text{C}_{20}\text{H}_{34}\text{O}_2$

Molecular Weight: 306.487

Accurate Mass: 306.25588

Percentage Composition: C 78.38%; H 11.18%; O 10.44%

>>Variant: (*all-Z*)-form

Synonym(s): Dihomogammalinolenic acid.  $\gamma$ -Homolinolenic acid. Dihomo- $\gamma$ -linolenic acid

CAS Registry Number: 1783-84-2

Type of Compound Code(s): VA0600 VA6150

Molecular Formula:  $\text{C}_{20}\text{H}_{34}\text{O}_2$

Molecular Weight: 306.487

Accurate Mass: 306.25588

Percentage Composition: C 78.38%; H 11.18%; O 10.44%

Biological Source: Minor component of animal phospholipids. Constit. of *Sargassum pallidum*. Metab. of Linoleic acid

Use/Importance: Precursor of PG<sub>1</sub> series of prostaglandins. Intermediate for 8,9-Leukotriene C<sub>3</sub> [LRZ20-E](#)

Aldrich: 27154-3

Sigma: E7628

References:

Struijk, C.B. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1966, **85**, 1241, (*synth*)

Groza, N.V. *et al.*, *Bioorg. Khim.*, 1998, **24**, 458-461, (*synth*)

Zhukova, N.V. *et al.*, *Phytochemistry*, 1999, **50**, 1209-1211, (*isol*)