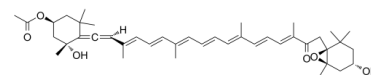


## Data Sheet

<b>Product Name:</b>	Fucoxanthin
<b>Cat. No.:</b>	CS-8167
<b>CAS No.:</b>	3351-86-8
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>58</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	658.91
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	H <sub>2</sub> O : < 0.1 mg/mL (insoluble); DMSO : ≥ 50 mg/mL (75.88 mM)



### BIOLOGICAL ACTIVITY:

Fucoxanthin is a marine carotenoid and shows anti-obesity, anti-diabetic, anti-oxidant, anti-inflammatory and anticancer activities.

### References:

[1]. Gammone MA, et al. Anti-obesity activity of the marine carotenoid fucoxanthin. *Mar Drugs*. 2015 Apr 13;13(4):2196-214.

### CAIndexNames:

β,β-Carotene, 3'-(acetyloxy)-6',7'-didehydro-5,6-epoxy-5,5',6,6',7,8-hexahydro-3,5'-dihydroxy-8-oxo-, (3S,3'S,5R,5'R,6S,6'R)-

### SMILES:

O=C(C(C)=C/C=C/C(C)=C/C=C/C(C)=C(C)/C=C/C=C(C)/C([H])=[C@@]=C([C@@]1(O)C(C)C(C)[C@H](OC(C)=O)C1)C[C@]2(C3(C)C)[C@@](C)(C[C@@H](O)C3)O2

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

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