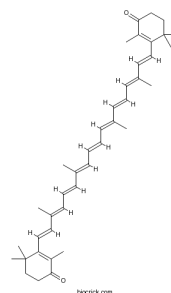


## PHYSICAL AND CHEMICAL PROPERTIES

<b>Product Name:</b>	Canthaxanthin
<b>Catalog Number:</b>	BCC8139
<b>Cas No.:</b>	514-78-3
<b>Formula:</b>	C <sub>40</sub> H <sub>52</sub> O <sub>2</sub>
<b>M.Wt:</b>	564.8
<b>Purity:</b>	>98%
<b>Physical Description:</b>	N/A
<b>Synonyms:</b>	E 161g; all-trans-Canthaxanthin
<b>Chemical Name:</b>	2,4,4-trimethyl-3-[(1E,3E,5E,7E,9E,11E,13E,15E,17E)-3,7,12,16-tetramethyl-18-(2,6,6-trimethyl-3-oxocyclohexen-1-yl)octadeca-1,3,5,7,9,11,13,15,17-nonyl]cyclohex-2-en-1-one
<b>SMILES:</b>	<chem>CC1=C(C(CCC1=O)(C)C)C=CC(=CC=CC(=CC=CC=C(C)C=CC=C(C)C=C</chem> <chem>C2=C(C(=O)CCC2(C)C)C)C</chem>
<b>Solubility:</b>	DMSO : 1 mg/mL (1.77 mM; ultrasonic and warming and heat to 80°C) H <sub>2</sub> O : < 0.1 mg/mL (insoluble)



## STORAGE AND SHIPPING

<b>Storage:</b>	Store the product in sealed, cool and dry condition.
<b>General tips:</b>	For obtaining a higher solubility, please warm the tube at 37° and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20° for several months.
<b>Shipping Condition:</b>	Ship with RT , or blue ice upon request

## INTENDED USE

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

## CAUTION!

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most BioCrick products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure*

*that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

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