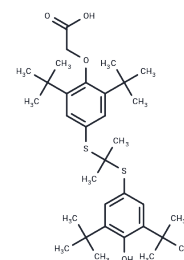


## Camobucol

## Chemical Properties

CAS No. :	216167-92-9
Formula:	C <sub>33</sub> H <sub>50</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	574.88
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Camobucol is an orally active, anti-inflammatory compound. It also is a phenolic antioxidant with antirheumatic properties.
Targets(IC50)	Others
In vitro	Camobucol demonstrates strong antioxidant properties, effectively combating lipid peroxides in vitro and showing improved absorption by cells. It also selectively suppresses levels of vascular cell adhesion molecule-1 and monocyte chemoattractant protein-1 induced by tumor necrosis factor (TNF)- $\alpha$ , while minimally affecting E-selectin and not altering intracellular adhesion molecule-1 expression in endothelial cells. Moreover, Camobucol does not interfere with the TNF- $\alpha$ -driven relocation of NF- $\kappa$ B into the nucleus. It further reduces cytokine-stimulated production of monocyte chemoattractant protein-1, interleukin (IL)-6, and IL-8 in endothelial cells and human fibroblast-like synoviocytes, and curtails the release of TNF- $\alpha$ , IL-1 $\beta$ , and IL-6 after lipopolysaccharide exposure in human peripheral blood mononuclear cells.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7395 mL	8.6975 mL	17.3949 mL
5 mM	0.3479 mL	1.7395 mL	3.479 mL
10 mM	0.1739 mL	0.8697 mL	1.7395 mL
50 mM	0.0348 mL	0.1739 mL	0.3479 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kunsch C, et al. AGIX-4207 [2-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenoxy]acetic acid], a novel antioxidant and anti-inflammatory compound: cellular and biochemical characterization of antioxidant activity and inhibition of redox-sensitive inflammatory gene expression. J Pharmacol Exp Ther. 2005 May;313(2):492-501. Epub 2005 Feb 8.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481