Product datasheet

N-(p-Coumaroyl)serotonin, Antibacterial agent
ab145913

Overview

Product name  N-(p-Coumaroyl)serotonin, Antibacterial agent
Description  Antibacterial agent which inhibits the production of proinflammatory cytokines
Biological description  An antioxidative phenolic naturally found in plants, including safflower seed and millet grain. Inhibits the production of proinflammatory cytokines by LPS-stimulated human blood monocytes. It is believed that this inhibition is a result of the partial down-regulation of cytokine mRNA levels and inhibition of NF-κB activation. Ameliorates atherosclerosis in vivo, reducing lesion area in mice and rabbits. Augments fibroblast proliferation, and promotes relaxation of vascular smooth muscle cells in vitro. Functions as an antioxidant, inhibiting the effects of high glucose-induced cell death, caspase-3 activation, and the overproduction of the mitochondrial superoxide.
Purity  > 95%
CAS Number  68573-24-0
Chemical structure

Properties

Chemical name  (2E)-N-[2-(5-Hydroxy-1H-indol-3-yl)ethyl]-3-(4-hydroxyphenyl)prop-2-enamide
Molecular weight  322.36
Molecular formula  C_{19}H_{18}N_{2}O_{3}
Storage instructions  Store at +4°C. The product can be stored for up to 12 months.
Solubility overview  Soluble in DMSO
Handling  Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

Source  Synthetic
Please note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS”

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