Colchicine from Colchicum autumnale, microtubule formation inhibitor ab120663

Overview

Product name  Colchicine from Colchicum autumnale, microtubule formation inhibitor
Description  Inhibitor of microtubule formation
Biological description  Inhibitor of microtubule formation (Ki = 2.1 μM). Antimitotic, anti-inflammatory and antifibrotic activity. Unable to cross the blood-brain barrier.
Purity  > 99%
General notes  Light sensitive
CAS Number  64-86-8
Chemical structure

Chemical name  (S)-N-(5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl)acetamide
Molecular weight  399.44
Molecular formula  C_{22}H_{25}NO_{6}
Storage instructions  Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview  Soluble in water to 10 mM, in ethanol to 100 mM and in DMSO to 100 mM
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  Colchicum autumnale
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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