Fumitremorgin C (Tryptoquivaline), Chemosensitizing agent ab144258

1 References

Overview

Product name  Fumitremorgin C (Tryptoquivaline), Chemosensitizing agent
Description  Chemosensitizing agent. Potent and selective BCRP inhibitor. Selective AKT inhibitor.
Biological description  Chemosensitizing agent. Potent and selective BCRP inhibitor. Selective AKT inhibitor. Selectively reverses resistance to and potentiates mitoxantrone (ab145668), doxorubicin (ab120629) and topotecan (ab120388) in BCRP-transfected cells. Mycotoxin. Shows antiproliferative effects. Shows tremorgenic effects in vivo.
Purity  > 98%
CAS Number  118974-02-0

Chemical structure

![Chemical structure image]

Properties

Chemical name  (5aS,12S,14aS)-1,2,5a,6,11,12,14a-Octahydro-9-methoxy-12-(2-methylprop-1-en-1-yl)-5H,14H-pyrrolo[1"',4"':4',5']pyrazino[1',2':1,6]pyrido[3,4-b]indole-5,14-dione
Molecular weight  379.45
Molecular formula  C_{22}H_{25}N_{3}O_{3}
PubChem identifier  403923
Storage instructions  Store at +4°C. The product can be stored for up to 12 months.
Solubility overview  Soluble in DMSO to 10 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.
SMILES
CC(=C[C@@H]1C2=C(C[C@@H]3N1C(=O)3C@@H]4 CCCN4C3=O)C5=C(N2)C=C(C=C5)OC)C

Source
Aspergillus fumigatus

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