

Product Data Sheet

Product Name: Furazolidone

Cat. No.: GC32138

Chemical Properties

Cas. No. 67-45-8

SMILES O=C1OCCN1/N=C/C2=CC=C([N+])([O-])=O)O2

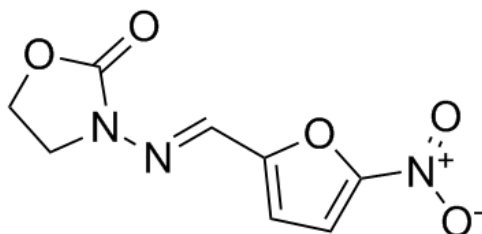
Formula C8H7N3O5 M.Wt 225.16

Solubility DMSO : 10 mg/mL (44.41 mM); Water : < 0.1 mg/mL (insoluble) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Furazolidone is a nitrofur derivative with antiprotozoal and antibacterial activity, inhibits AML1-ETO transformed cells with IC50 value of 12.7 μM. Target: Antibacterial Furazolidone is a novel therapeutic strategy in AML patients. Furazolidone can inhibit the bone-marrow transformation mediated by a series of leukemia fusion proteins. Furazolidone significantly inhibits proliferation of AML cell lines. Furazolidone induces apoptosis of the AML leukemic cells. Treatment with Furazolidone induces differentiation of AML cell lines.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

[1]. Jiang X, et al. A novel application of furazolidone: anti-leukemic activity in acute myeloid leukemia. PLoS One. 2013 Aug 9;8(8):e72335.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA