

PRODUCT INFORMATION



Pirodavir

Item No. 22922

CAS Registry No.: 124436-59-5

Formal Name: 4-[2-[1-(6-methyl-3-pyridazinyl)-4-piperidinyl]ethoxy]benzoic acid, ethyl ester

Synonym: R-77975

MF: C₂₁H₂₇N₃O₃

FW: 369.5

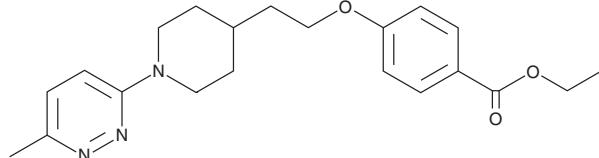
Purity: ≥98%

UV/Vis.: λ_{max}: 257 nm

Supplied as: A crystalline solid

Storage: -20°C

Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Pirodavir is supplied as a crystalline solid. A stock solution may be made by dissolving the pirodavir in the solvent of choice, which should be purged with an inert gas. Pirodavir is soluble in the organic solvent dimethyl formamide (DMF) at a concentration of approximately 30 mg/ml.

Pirodavir is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, pirodavir should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Pirodavir has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Pirodavir is a broad-spectrum antipicornaviral agent.¹ It is active against 80 typed (MICs = 0.001-14.4 µg/ml) and one untyped rhinovirus strain (MIC = 0.002 µg/ml) and is active against both group A and group B serotypes. It is also active against serotypes of coxsackievirus, poliovirus, and echovirus enteroviruses (MICs = 0.018-8.5, 0.025-0.27, and 0.019-1.3 µg/ml, respectively).

Reference

1. Andries, K., Dewindt, B., Snoeks, J., et al. In vitro activity of pirodavir (R 77975), a substituted phenoxy-pyridazinamine with broad-spectrum antipicornaviral activity. *Antimicrob. Agents Chemother.* 36(1), 100-107 (1992).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 - USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM