PRODUCT INFORMATION

Saquinavir (mesylate)
Item No. 9001893

**CAS Registry No.:** 149845-06-7

**Formal Name:** (2S)-N¹-[(1S,2R)-3-[[3S,4aS,8aS)-3-[[[1,1-dimethylethyl]amino]carbonyl]octahydro-2(1H)-isoquinolinyl]-2-hydroxy-1-(phenylmethyl)propyl]-2-[[2-quinolinylcarbonyl]amino]-butane diamide, monomethanesulfonate

**Synonym:** Ro 31-8959/003

**MF:** C₃₈H₅₀N₆O₅ • CH₃SO₃H

**FW:** 767.0

**Purity:** ≥98%

**UV/Vis.:** λ_max: 206, 239, 291 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**

Saquinavir (mesylate) is supplied as a crystalline solid. A stock solution may be made by dissolving the saquinavir (mesylate) in the solvent of choice, which should be purged with an inert gas. Saquinavir (mesylate) is soluble in organic solvents such as methanol and DMSO. The solubility of saquinavir (mesylate) in these solvents is approximately 1 mg/ml.

**Description**

Saquinavir is an HIV protease inhibitor (K_i = 0.12 and < 0.1 nM for HIV-1 and HIV-2 protease, respectively) that exhibits antiviral activity with low cytotoxicity.¹,² When co-administered with 50 mg/kg ritonavir (Item No. 13872), the bioavailability of 20 mg/kg saquinavir has been shown to increase 325-fold in mice through a mechanism that inhibits its metabolism by CYP3A.³

**References**