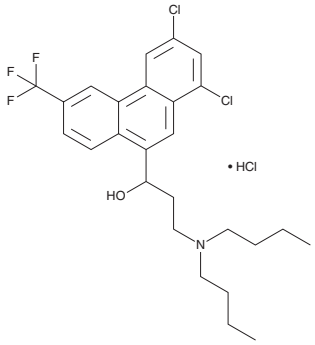
PRODUCT INFORMATION

Halofantrine (hydrochloride)

Item No. 30962

CAS Registry No.:	36167-63-2
Formal Name:	1,3-dichloro-α-[2-(dibutylamino)ethyl]-6-(trifluoromethyl)-9-phenanthrenemethanol, monohydrochloride
Synonyms:	(±)-Halofantrine, SKF 102886, WR 171669
MF:	$C_{26}H_{30}Cl_2F_3NO \bullet HCl$
FW:	536.9
Purity:	≥98%
UV/Vis.:	λ_{max}: 216, 232, 259 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

Halofantrine (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the halofantrine (hydrochloride) in the solvent of choice, which should be purged with an inert gas. Halofantrine (hydrochloride) is soluble in DMSO and methanol.

Description

Halofantrine is an antimalarial agent.[1] It is active against chloroquine-sensitive and chloroquine-resistant strains of *P. falciparum* (IC_{50}s = 1.5-2.5 and 1.3-3.9 µg/L, respectively). Halofantrine reduces parasitemia in a mouse model of *P. berghei* infection with a 50% curative dose (CD_{50}) value of 15 mg/kg. It also reduces parasitemia in an *Aotus* monkey model of *P. falciparum* infection (CD_{50} = 58.3 mg/kg). Formulations containing halofantrine have been used in the treatment of malaria.

Reference

1. Bryson, H. and Goa, K.L. Halofantrine. A review of its antimalarial activity, pharmacokinetic properties and therapeutic potential. *Drugs* **43(2)**, 236-258 (1992).

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