

DATA SHEET

Product Name: Hydroxychloroquine Sulfate

Catalog #: CV-1008

Alt: CAS # 747-36-4; 7-Chloro-4-[4-(N-ethyl-N-b-hydroxyethylamino)-1-methylbutylamino]quinoline, sulfate

Molecular Mass: 434.0

Analysis: >98% (TLC); NMR (conforms)

Supplied As: White powder

Resuspension: May be dissolved in: water (40 mg/ml); DMSO (nil)

Storage: Store desiccated as supplied at ambient temperature for up to 2 years.
Store solutions at -20°C for up to 3 months.

Description:

A lysosomotropic agent which inhibits autophagy and triggers apoptosis in a variety of cell types^{1,2}. Augments the anticancer activity of DNA-damaging chemotherapy³. Antiinflammatory activity. Decreases cell surface expression of TNF α receptors in U937 cells⁴. Has been used to treat alopecia successfully⁵. Clinically useful antimalaria agent. Cell permeable and active *in vivo*.

References:

1. Boya, P., et al., (2005) Mol. Cell Biol., 25 : 1025
2. Xie, X., et al., (2013) PLoS One, 8 : e55096
3. Pan, Y., et al., (2011) Clin. Cancer Res., 150 : 3248
4. Jeong, J.Y., et al., (2002) Immunology, 105 : 83
5. Stephan, F., et al., (2013) J. Am. Acad. Dermatol., 68 : 1048

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