

AFM-30a hydrochloride

Chemical Properties

CAS No. :

Formula: C₂₄H₂₈ClFN₆O₃

Molecular Weight: 502.97

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	AFM-30a hydrochloride is a potent and highly selective inhibitor of protein arginine deiminase 2 (PAD2). AFM-30a hydrochloride binds to PAD2 (EC ₅₀ : 9.5 μM) and inhibits H3 guanylation (EC ₅₀ : 0.4 μM). AFM-30a hydrochloride can be used to study certain cancers and autoimmune diseases such as rheumatoid arthritis (RA), multiple sclerosis, lupus, and ulcerative colitis.
Targets(IC ₅₀)	Others,PAD

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9882 mL	9.941 mL	19.8819 mL
5 mM	0.3976 mL	1.9882 mL	3.9764 mL
10 mM	0.1988 mL	0.9941 mL	1.9882 mL
50 mM	0.0398 mL	0.1988 mL	0.3976 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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