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CFTR Inhibitor-172 - CAS 307510-92-5 - Calbiochem CFTR Inhibitor-172, CAS 307510-92-5, is a cell-permeable, potent, reversible, rapid, and voltage-independent inhibitor of CFTR-mediated Cl- transport in human airway cells (Ki ~ 300 nM).

Art. ID	SAF-219670-5MG
Unit	1 x 5 mg

Description

A cell-permeable 2-thio-4-thiazolidinone compound that acts as a potent, reversible, rapid, and voltage-independent inhibitor of CFTR (cystic fibrosis transmembrane conductance regulator)-mediated Cl- transport in human airway cells (Ki ~ 300 nM). It does not prevent elevation of cellular cAMP, nor does it inhibit non-CFTR Cl- channels, MDR-1, ATP-sensitive K+ channels, or a series of other transporters even at concentrations as high as 5 &#181,M. Shown to block cholera toxin-induced intestinal fluid secretion in mice. May be also useful for reducing intestinal fluid loss in other secretory diarrheas. Also available as a 50 mM solution in DMSO (Cat. No. 219674)., A cell-permeable 2-thio-4-thiazolidinone compound that acts as a potent, reversible, rapid, and voltage-independent inhibitor of CFTR (cystic fibrosis transmembrane conductance regulator)-mediated Cl- transport in human airway cells (Ki ~ 300 nM). It does not prevent elevation of cellular cAMP, nor does it inhibit non-CFTR Cl- channels, MDR-1, ATP-sensitive K+ channels, or a series of other transporters even at concentrations as high as 5 &#181,M. Shown to block cholera toxin-induced intestinal fluid secretion in mice. May be also useful for reducing intestinal fluid loss in other secretory diarrheas.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	CFTR(inh)-172	[307510-92-5]				