

## AR-C 141990 hydrochloride

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Monocarboxylate transporter (MCT1) inhibitor (pKi = 7.6. Exhibits approximately 10-fold selectivity for MCT1 over MCT2 and no significant activity against MCT3 or 4. Inhibits graft versus host response and prolongs cardiac graft survival in a rat model. Immunosuppressant. Also inhibits brain penetration of GHB analog HOCPA.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

P?hlman et al (2012) Immunosuppressive properties of a series of novel inhibitors of the monocarboxylate transporter MCT-1. *Transpl.Int.* 26 22 PMID:23137339

Thiesen et al (2015) In vitro and in vivo evidence for active brain uptake of the GHB analog HOCPA by the monocarboxylate transporter subtype 1. *J.Pharmacol.Exp.Ther.* 354 166 PMID:25986445

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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