

RC574 biochemical

RC574

CATALOG #
AAA227170

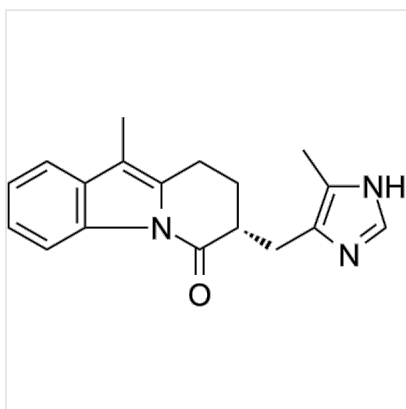
PRODUCT SYNONYMS

RC574; FK1052 free base; RC574 biochemical

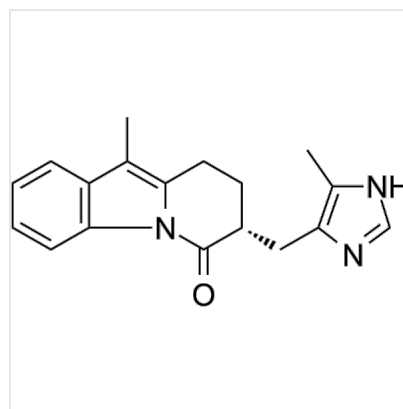
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF: 20 mg/mL
	DMSO: 30 mg/mL
	Ethanol: 30 mg/mL
	<1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Fabesetron, CAS 129300-27-2



Structure
Fabesetron, CAS 129300-27-2

ADDITIONAL INFORMATION

Related Product Information for RC574 biochemical	RC574 is an inhibitor of ferroptosis and a derivative of the antioxidant and hypocholesterolemic agent probucol. It inhibits glutamate-induced cell death in HT22 cells (IC ₅₀ = 276.2 nM) and mouse primary cortical neurons when used at a concentration of 3 μM. RC574 (3 μM) increases glutathione peroxidase 1 (GPX1) levels and GPX activity, as well as inhibits glutamate-induced mitochondrial superoxide anion production, in HT22 cells. It completely inhibits ferroptosis induced by the GPX4 inhibitor RSL3 in HT22 cells when used at concentrations ranging from 62.5 to 1,000 nM.
References	1. M Kadowaki, et al. Effect of FK1052, a potent 5-hydroxytryptamine₃ and 5-hydroxytryptamine₄ receptor dual antagonist, on colonic function in vivo. J Pharmacol Exp Ther. 1993 Jul;266(1):74-80. 2. Hiroe Nakayama, et al. Antiemetic activity of FK1052, a 5-HT₃- and 5-HT₄-receptor antagonist, in Suncus murinus and ferrets. J Pharmacol Sci. 2005 Aug;98(4):396-403.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/rc574/227170>