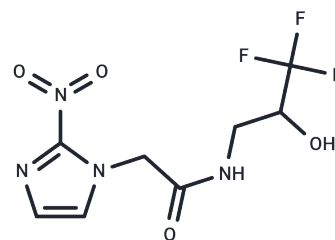


SR4554

Chemical Properties

CAS No. : 167648-73-9
Formula: C₈H₉F₃N₄O₄
Molecular Weight: 282.18
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	SR4554 is a fluorinated 2-nitroimidazole non-invasive tumor hypoxia probe for the detection of tumor hypoxia as detected by ¹⁹ F magnetic resonance spectroscopy (MRS).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5438 mL	17.7192 mL	35.4384 mL
5 mM	0.7088 mL	3.5438 mL	7.0877 mL
10 mM	0.3544 mL	1.7719 mL	3.5438 mL
50 mM	0.0709 mL	0.3544 mL	0.7088 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.

Reference

Lee CP, et al. A phase I study of the nitroimidazole hypoxia marker SR4554 using ¹⁹F magnetic resonance spectroscopy. Br J Cancer. 2009 Dec 1;101(11):1860-8.

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