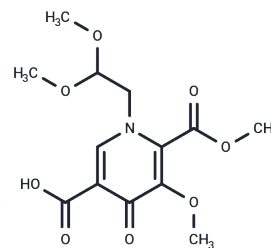


## Dolutegravir intermediate-1

## Chemical Properties

CAS No. :	1335210-23-5
Formula:	C <sub>13</sub> H <sub>17</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	315.28
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Dolutegravir intermediate-1 (1-(2,2-dimethoxyethyl)-5-methoxy-6-(methoxycarbonyl)-4-oxo-1,4-dihydropyridine-3-carboxylic acid) is a new synthetic Dolutegravir intermediate. Dolutegravir is an integrase inhibitor developed for the treatment of human immunodeficiency virus (HIV)-1 infection.
Targets(IC50)	HIV Protease

## Solubility Information

Solubility	DMSO: 50 mg/mL (158.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1718 mL	15.8589 mL	31.7178 mL
5 mM	0.6344 mL	3.1718 mL	6.3436 mL
10 mM	0.3172 mL	1.5859 mL	3.1718 mL
50 mM	0.0634 mL	0.3172 mL	0.6344 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

Sivaram Prasad, et al. Process for the preparation of dolutegravir . WO 2016125192 A2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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