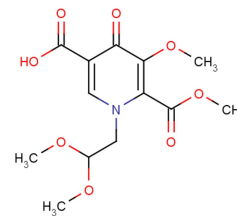


## Dolutegravir intermediate-1

## Chemical Properties

CAS No.:	1335210-23-5
Formula:	C <sub>13</sub> H <sub>17</sub> NO <sub>8</sub>
Molecular Weight:	315.28
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Dolutegravir intermediate-1 is a new synthetic Dolutegravir intermediate extracted from patent WO 2016125192 A2. Dolutegravir is an integrase inhibitor developed for the treatment of human immunodeficiency virus (HIV)-1 infection.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.172 mL	15.859 mL	31.718 mL
5 mM	0.634 mL	3.172 mL	6.344 mL
10 mM	0.317 mL	1.586 mL	3.172 mL
50 mM	0.063 mL	0.317 mL	0.634 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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

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