

## Ethylmalonyl Coenzyme A (sodium salt)

## 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	Ethylmalonyl coenzyme A (CoA) is a key intermediate in the ethylmalonyl-CoA pathway for carbon metabolism in certain bacteria, such as <i>M. extorquens</i> , which uses this pathway when grown on ethylamine. <sup>1,2</sup> It is produced from crotonyl-CoA by crotonyl-CoA reductase/carboxylase and modified by ethylmalonyl-CoA mutase to make methylsuccinyl-CoA.
Targets(IC50)	Others

## Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Good, N.M., Martinez-Gomez, N.C., Beck, D.A.C., et al. Ethylmalonyl coenzyme A mutase operates as a metabolic control point in *Methylobacterium extorquens* AM1J. *Bacteriol.* 197(4)727-735(2015)

Anthony, C. How half a century of research was required to understand bacterial growth on C1 and C2 compounds; the story of the serine cycle and the ethylmalonyl-CoA pathway. *Sci. Prog.* 94(Pt 2)109-137(2011)

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