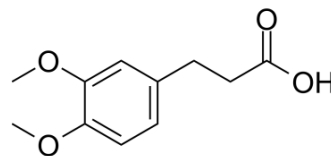


## 3-(3,4-Dimethoxyphenyl)propanoic acid

<b>Cat. No.:</b>	HY-Y1620		
<b>CAS No.:</b>	2107-70-2		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>14</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	210.23		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	3-(3,4-Dimethoxyphenyl)propanoic acid is an orally active short-chain fatty acids (SCFAs). 3-(3,4-Dimethoxyphenyl)propanoic acid stimulates $\gamma$ globin gene expression, erythropoiesis in vivo and is used for the $\beta$ hemoglobinopathies and other anemias <sup>[1]</sup> .
<b>In Vivo</b>	3-(3,4-Dimethoxyphenyl)propanoic acid (50, 150 mg/kg of iv or 50, 150, 200 mg/kg of orally) achieves concentrations significantly higher than targeted plasma levels for several hours after single 50 to 150 mg/kg doses <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Pace BS, et al. Short-chain fatty acid derivatives induce fetal globin expression and erythropoiesis in vivo. *lood*. 2002 Dec 15;100(13):4640-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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