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**Product Data Sheet**

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Product Name: 5,7-Dimethoxyluteolin

Cat. No.: GC60527

**Chemical Properties**

Cas. No. 90363-40-9

SMILES O=C1C=C(C2=CC=C(O)C(O)=C2)OC3=CC(OC)=CC(OC)=C13Formula  $C_{17}H_{14}O_6$ 

M.Wt 314.29

Solubility DMSO : 100 mg/mL (318.18 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

5,7-Dimethoxyluteolin, a 5,7-dimethyluteolin derivative, is a dopamine transporter (DAT) activator with an EC50 of 3.417  $\mu$ M[1].

[1]. Jiange Zhang, et al. Discovery and synthesis of novel luteolin derivatives as DAT agonists. *Bioorg Med Chem.* 2010 Nov 15;18(22):7842-8.

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

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