Amidepsine D, *Humcola* sp.

### Alternate Name:
N-[4-[[4-(2,4-Dimethoxy-6-methylbenzoyl)oxy]-2-hydroxy-6-methylbenzoyl]oxy]-2-hydroxy-6-methylbenzoic acid

### Catalog #:
- 2148-500 500 µg
- 2148-1000 1 mg

### Structure:

![Structure Image]

### Molecular Formula:
C_{26}H_{24}O_{10}

### Molecular Weight:
496.48

### CAS Number:
79786-34-8

### Appearance:
Slightly pinkish white Solid

### Solubility:
DMSO or EtOH

### Purity:
>95% by HPLC

### Storage:
Store at -20°C. Protect from air and light

### Description:
An inhibitor of diacylglycerol acyltransferase (DGAT). Shows inhibitory effect in rat liver microsomes (IC\textsubscript{50} = 17.5 µM) and Raji cells (IC\textsubscript{50} = 2.8µM). Excessive accumulation of triacylglycerol produced by DGAT may cause fatty liver, obesity and hypertriglyceridemia, which may lead to atherosclerosis, diabetes and metabolic disorders.

### Handling:
Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

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**FOR RESEARCH USE ONLY! Not to be used in humans.**