
Product Data Sheet

Product Name: Kakkalide

Cat. No.: GC36380

Chemical Properties

Cas. No. 58274-56-9

SMILES O=C1C2=C(O)C(OC)=C(O[C@@H]3O[C@@H]([C@@H](O)[C@H](O)[C@H]3O)CO[C@H]4[C@@H]([C@H]([C@H](O)CO4)O)O)C=C2OC=C1C5=CC=C(OC)C=C5

Formula C₂₈H₃₂O₁₅

M.Wt 608.54

Solubility DMSO : 50 mg/mL (82.16 mM; ultrasonic and warming and heat to 60°C)

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**

Kakkalide is an isoflavone derived from the flowers of *Pueraria lobata*. Kakkalide ameliorates endothelial insulin resistance by suppressing reactive oxygen species (ROS)-associated inflammation[1].

[1]. Zhang D, et al. Kakkalide ameliorates endothelial insulin resistance by suppressing reactive oxygen species-associated inflammation. *J Diabetes*. 2013 Mar;5(1):13-24.

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

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