Urolithin D

Cat. No.: HY-133178

CAS No.: 131086-98-1

Molecular Formula: $C_{13}H_8O_6$

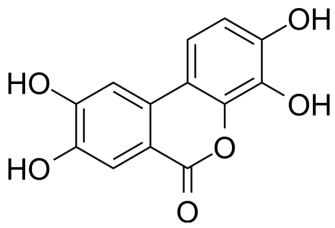
Molecular Weight: 260.2

Target: Ephrin Receptor

Pathway: Protein Tyrosine Kinase/RTK

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (480.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.8432 mL	19.2160 mL	38.4320 mL
	5 mM	0.7686 mL	3.8432 mL	7.6864 mL
	10 mM	0.3843 mL	1.9216 mL	3.8432 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (7.99 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (7.99 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (7.99 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Urolithin D is competitive and reversible antagonist of EphA receptors. Urolithin D exhibits intra-classes selectivity[1].

REFERENCES

[1]. Giorgio C, et al. The ellagitannin colonic metabolite urolithin D selectively inhibits EphA2 phosphorylation in prostate cancer cells. Mol Nutr Food Res. 2015 Nov;59(11):2155-67.

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

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