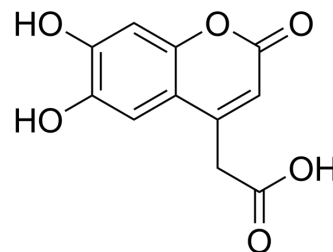


## 6,7-Dihydroxy-4-coumarinylacetic acid

Cat. No.:	HY-D0064
CAS No.:	88404-14-2
Molecular Formula:	C <sub>11</sub> H <sub>8</sub> O <sub>6</sub>
Molecular Weight:	236.18
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

6,7-Dihydroxy-4-coumarinylacetic acid is a potent and selective inhibitor of ALR2. 6,7-Dihydroxy-4-coumarinylacetic acid inhibits ALR2, SDH and ALR1 with IC<sub>50</sub>s of 9.6, 288 and 66.3 μM, respectively. 6,7-Dihydroxy-4-coumarinylacetic acid clearly suppresses galactitol accumulation<sup>[1]</sup>.

### REFERENCES

[1]. Kato A, et al. 6,7-Dihydroxy-4-phenylcoumarin as inhibitor of aldose reductase 2. *Bioorg Med Chem Lett.* 2010 Oct 1;20(19):5630-3.

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

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