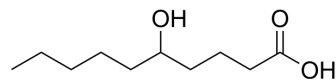


## 5-Hydroxydecanoic acid

Cat. No.:	HY-155941
CAS No.:	624-00-0
Molecular Formula:	C <sub>10</sub> H <sub>20</sub> O <sub>3</sub>
Molecular Weight:	188.26
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5-Hydroxydecanoic acid (5-HD) is a K<sub>ATP</sub> channel antagonist which has the effect of blocking the K K<sub>ATP</sub> channel only during ischaemia by competing with the ATP binding site and does not affect pancreatic K<sub>ATP</sub> channels<sup>[1]</sup>.

### REFERENCES

[1]. J A Auchampach, et al. Blockade of ischaemic preconditioning in dogs by the novel ATP dependent potassium channel antagonist sodium 5-hydroxydecanoate. Cardiovasc Res. 1992 Nov;26(11):1054-62.

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

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