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DATASHEET

Sorbic Acid (SA)

Product overview

Name	Sorbic Acid (SA)
Cat No	HB8334
Alternative names	SA
Biological action	Activator
Purity	>98%
Description	Activates the hFFA2-DREADD

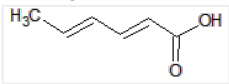
Biological Data

Biological description	Sorbic acid activates the chemogenetic hFFA2-DREADD. Activation of the hFFA2-DREADD with sorbic acid reproduces signaling produced by Short Chain Fatty Acids (SCFAs) when activating FFA2.
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Solubility & Handling

Solubility overview	Soluble in DMSO (100 mM), and in ethanol (100 mM)
Storage instructions	+4 °C
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions	Stable for ambient temperature shipping. Follow storage instructions on receipt.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	(2E,4E)-2,4-Hexenoic acid
Molecular Weight	112.13
Chemical structure	
Molecular Formula	C ₆ H ₈ O ₂
CAS Number	110-44-1
PubChem identifier	643460
SMILES	CC=CC(=O)O
InChi	InChI=1S/C6H8O2/c1-2-3-4-5-6(7)8/h2-5H,1H3,(H,7,8)/b3-2+,5-4+
InChiKey	WSWCOQWTEOXDQX-MQQKCMAKSA-N
MDL number	MFCD00002703
Appearance	White solid

References

Chemogenetics defines receptor-mediated functions of short chain free fatty acids

Bolognini et al (2019) Nat Chem Biol. 15(5)

PubMedID [30992568](#)

