

Succinic acid, 2-ethylhexyl 4-heptyl ester

Inchi: InChI=1S/C19H36O4/c1-5-9-12-16(8-4)15-22-18(20)13-14-19(21)23-17(10-6-2)11-7-3/h1-4,11-14,17-19,21-23,25-26,28-29,31-32,34-35,37-38,40-41,43-44,46-47,49-50,52-53,55-56,58-59,61-62,64-65,67-68,70-71,73-74,76-77,79-80,82-83,85-86,88-89,91-92,94-95,97-98,100-101,103-104,106-107,109-110,112-113,115-116,118-119,121-122,124-125,127-128,130-131,133-134,136-137,139-140,142-143,145-146,148-149,151-152,154-155,157-158,160-161,163-164,166-167,169-170,172-173,175-176,178-179,181-182,184-185,187-188,190-191,193-194,196-197,199-200,202-203,205-206,208-209,211-212,214-215,217-218,220-221,223-224,226-227,229-230,232-233,235-236,238-239,241-242,244-245,247-248,250-251,253-254,256-257,259-260,262-263,265-266,268-269,271-272,274-275,277-278,280-281,283-284,286-287,289-290,292-293,295-296,298-299,301-302,304-305,307-308,310-311,313-314,316-317,319-320,322-323,325-326,328-329,331-332,334-335,337-338,340-341,343-344,346-347,349-350,352-353,355-356,358-359,361-362,364-365,367-368,370-371,373-374,376-377,379-380,382-383,385-386,388-389,391-392,394-395,397-398,400-401,403-404,406-407,409-410,412-413,415-416,418-419,421-422,424-425,427-428,430-431,433-434,436-437,439-440,442-443,445-446,448-449,451-452,454-455,457-458,460-461,463-464,466-467,469-470,472-473,475-476,478-479,481-482,484-485,487-488,490-491,493-494,496-497,499-500,502-503,505-506,508-509,511-512,514-515,517-518,520-521,523-524,526-527,529-530,532-533,535-536,538-539,541-542,544-545,547-548,550-551,553-554,556-557,559-560,562-563,565-566,568-569,571-572,574-575,577-578,580-581,583-584,586-587,589-590,592-593,595-596,598-599,601-602,604-605,607-608,610-611,613-614,616-617,619-620,622-623,625-626,628-629,631-632,634-635,637-638,640-641,643-644,646-647,649-650,652-653,655-656,658-659,661-662,664-665,667-668,670-671,673-674,676-677,679-680,682-683,685-686,688-689,691-692,694-695,697-698,699,701-702,704-705,707-708,710-711,713-714,716-717,719-720,722-723,725-726,728-729,731-732,734-735,737-738,740-741,743-744,746-747,749-750,752-753,755-756,758-759,761-762,764-765,767-768,770-771,773-774,776-777,779-780,782-783,785-786,788-789,791-792,794-795,797-798,799,801-802,804-805,807-808,810-811,813-814,816-817,819-820,822-823,825-826,828-829,831-832,834-835,837-838,840-841,843-844,846-847,849-850,852-853,855-856,858-859,861-862,864-865,867-868,870-871,873-874,876-877,879-880,882-883,885-886,888-889,891-892,894-895,897-898,899,901-902,904-905,907-908,910-911,913-914,916-917,919-920,922-923,925-926,928-929,931-932,934-935,937-938,940-941,943-944,946-947,949-950,952-953,955-956,958-959,961-962,964-965,967-968,969,971-972,974-975,977-978,979,981-982,984-985,987-988,989,991-992,994-995,997-998,999,1001-1002,1004-1005,1007-1008,1010-1011,1013-1014,1016-1017,1019-1020,1022-1023,1025-1026,1028-1029,1031-1032,1034-1035,1037-1038,1040-1041,1043-1044,1046-1047,1049-1050,1052-1053,1055-1056,1058-1059,1061-1062,1064-1065,1067-1068,1069,1071-1072,1074-1075,1077-1078,1079,1081-1082,1084-1085,1087-1088,1089,1091-1092,1094-1095,1097-1098,1099,1101-1102,1104-1105,1107-1108,1110-1111,1113-1114,1116-1117,1119-1120,1122-1123,1125-1126,1128-1129,1131-1132,1134-1135,1137-1138,1140-1141,1143-1144,1146-1147,1149-1150,1152-1153,1155-1156,1158-1159,1161-1162,1164-1165,1167-1168,1169,1171-1172,1174-1175,1177-1178,1179,1181-1182,1184-1185,1187-1188,1189,1191-1192,1194-1195,1197-1198,1199,1201-1202,1204-1205,1207-1208,1210-1211,1213-1214,1216-1217,1219-1220,1222-1223,1225-1226,1228-1229,1231-1232,1234-1235,1237-1238,1240-1241,1243-1244,1246-1247,1249-1250,1252-1253,1255-1256,1258-1259,1261-1262,1264-1265,1267-1268,1269,1271-1272,1274-1275,1277-1278,1279,1281-1282,1284-1285,1287-1288,1289,1291-1292,1294-1295,1297-1298,1299,1301-1302,1304-1305,1307-1308,1310-1311,1313-1314,1316-1317,1319-1320,1322-1323,1325-1326,1328-1329,1331-1332,1334-1335,1337-1338,1340-1341,1343-1344,1346-1347,1349-1350,1352-1353,1355-1356,1358-1359,1361-1362,1364-1365,1367-1368,1369,1371-1372,1374-1375,1377-1378,1379,1381-1382,1384-1385,1387-1388,1389,1391-1392,1394-1395,1397-1398,1399,1401-1402,1404-1405,1407-1408,1410-1411,1413-1414,1416-1417,1419-1420,1422-1423,1425-1426,1428-1429,1431-1432,1434-1435,1437-1438,1440-1441,1443-1444,1446-1447,1449-1450,1452-1453,1455-1456,1458-1459,1461-1462,1464-1465,1467-1468,1469,1471-1472,1474-1475,1477-1478,1479,1481-1482,1484-1485,1487-1488,1489,1491-1492,1494-1495,1497-1498,1499,1501-1502,1504-1505,1507-1508,1510-1511,1513-1514,1516-1517,1519-1520,1522-1523,1525-1526,1528-1529,1531-1532,1534-1535,1537-1538,1540-1541,1543-1544,1546-1547,1549-1550,1552-1553,1555-1556,1558-1559,1561-1562,1564-1565,1567-1568,1569,1571-1572,1574-1575,1577-1578,1579,1581-1582,1584-1585,1587-1588,1589,1591-1592,1594-1595,1597-1598,1599,1601-1602,1604-1605,1607-1608,1610-1611,1613-1614,1616-1617,1619-1620,1622-1623,1625-1626,1628-1629,1631-1632,1634-1635,1637-1638,1640-1641,1643-1644,1646-1647,1649-1650,1652-1653,1655-1656,1658-1659,1661-1662,1664-1665,1667-1668,1669,1671-1672,1674-1675,1677-1678,1679,1681-1682,1684-1685,1687-1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dvisc	0.0000711	Paxs	724.55	Joback Method
dvisc	0.0001030	Paxs	663.28	Joback Method
dvisc	0.0001610	Paxs	602.01	Joback Method
dvisc	0.0002785	Paxs	540.75	Joback Method
dvisc	0.0005543	Paxs	479.48	Joback Method
dvisc	0.0013492	Paxs	418.21	Joback Method

Sources

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NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U390474&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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