

Glutaric acid, heptyl 5-methoxy-3-phenylpentyl ester

Inchi: InChI=1S/C24H38O5/c1-3-4-5-6-10-18-28-23(25)14-11-15-24(26)29-20-17-22(16-19-27-28)/1-24,25-26,27-28,29-30,31-32,33-34,35-36,37-38,39-40,41-42,43-44,45-46,47-48,49-50,51-52,53-54,55-56,57-58,59-60,61-62,63-64,65-66,67-68,69-70,71-72,73-74,75-76,77-78,79-80,81-82,83-84,85-86,87-88,89-90,91-92,93-94,95-96,97-98,99-100,101-102,103-104,105-106,107-108,109-110,111-112,113-114,115-116,117-118,119-120,121-122,123-124,125-126,127-128,129-130,131-132,133-134,135-136,137-138,139-140,141-142,143-144,145-146,147-148,149-150,151-152,153-154,155-156,157-158,159-160,161-162,163-164,165-166,167-168,169-170,171-172,173-174,175-176,177-178,179-180,181-182,183-184,185-186,187-188,189-190,191-192,193-194,195-196,197-198,199-200,201-202,203-204,205-206,207-208,209-210,211-212,213-214,215-216,217-218,219-220,221-222,223-224,225-226,227-228,229-230,231-232,233-234,235-236,237-238,239-240,241-242,243-244,245-246,247-248,249-250,251-252,253-254,255-256,257-258,259-260,261-262,263-264,265-266,267-268,269-270,271-272,273-274,275-276,277-278,279-280,281-282,283-284,285-286,287-288,289-290,291-292,293-294,295-296,297-298,299-300,301-302,303-304,305-306,307-308,309-310,311-312,313-314,315-316,317-318,319-320,321-322,323-324,325-326,327-328,329-330,331-332,333-334,335-336,337-338,339-340,341-342,343-344,345-346,347-348,349-350,351-352,353-354,355-356,357-358,359-360,361-362,363-364,365-366,367-368,369-370,371-372,373-374,375-376,377-378,379-380,381-382,383-384,385-386,387-388,389-390,391-392,393-394,395-396,397-398,399-400,401-402,403-404,405-406,407-408,409-410,411-412,413-414,415-416,417-418,419-420,421-422,423-424,425-426,427-428,429-430,431-432,433-434,435-436,437-438,439-440,441-442,443-444,445-446,447-448,449-450,451-452,453-454,455-456,457-458,459-460,461-462,463-464,465-466,467-468,469-470,471-472,473-474,475-476,477-478,479-480,481-482,483-484,485-486,487-488,489-490,491-492,493-494,495-496,497-498,499-500,501-502,503-504,505-506,507-508,509-510,511-512,513-514,515-516,517-518,519-520,521-522,523-524,525-526,527-528,529-530,531-532,533-534,535-536,537-538,539-540,541-542,543-544,545-546,547-548,549-550,551-552,553-554,555-556,557-558,559-560,561-562,563-564,565-566,567-568,569-570,571-572,573-574,575-576,577-578,579-580,581-582,583-584,585-586,587-588,589-590,591-592,593-594,595-596,597-598,599-600,601-602,603-604,605-606,607-608,609-610,611-612,613-614,615-616,617-618,619-620,621-622,623-624,625-626,627-628,629-630,631-632,633-634,635-636,637-638,639-640,641-642,643-644,645-646,647-648,649-650,651-652,653-654,655-656,657-658,659-660,661-662,663-664,665-666,667-668,669-670,671-672,673-674,675-676,677-678,679-680,681-682,683-684,685-686,687-688,689-690,691-692,693-694,695-696,697-698,699-700,701-702,703-704,705-706,707-708,709-710,711-712,713-714,715-716,717-718,719-720,721-722,723-724,725-726,727-728,729-730,731-732,733-734,735-736,737-738,739-740,741-742,743-744,745-746,747-748,749-750,751-752,753-754,755-756,757-758,759-760,761-762,763-764,765-766,767-768,769-770,771-772,773-774,775-776,777-778,779-780,781-782,783-784,785-786,787-788,789-790,791-792,793-794,795-796,797-798,799-800,801-802,803-804,805-806,807-808,809-810,811-812,813-814,815-816,817-818,819-820,821-822,823-824,825-826,827-828,829-830,831-832,833-834,835-836,837-838,839-840,841-842,843-844,845-846,847-848,849-850,851-852,853-854,855-856,857-858,859-860,861-862,863-864,865-866,867-868,869-870,871-872,873-874,875-876,877-878,879-880,881-882,883-884,885-886,887-888,889-890,891-892,893-894,895-896,897-898,899-900,901-902,903-904,905-906,907-908,909-910,911-912,913-914,915-916,917-918,919-920,921-922,923-924,925-926,927-928,929-930,931-932,933-934,935-936,937-938,939-940,941-942,943-944,945-946,947-948,949-950,951-952,953-954,955-956,957-958,959-960,961-962,963-964,965-966,967-968,969-970,971-972,973-974,975-976,977-978,979-980,981-982,983-984,985-986,987-988,989-990,991-992,993-994,995-996,997-998,999-1000,1001-1002,1003-1004,1005-1006,1007-1008,1009-1010,1011-1012,1013-1014,1015-1016,1017-1018,1019-1020,1021-1022,1023-1024,1025-1026,1027-1028,1029-1030,1031-1032,1033-1034,1035-1036,1037-1038,1039-1040,1041-1042,1043-1044,1045-1046,1047-1048,1049-1050,1051-1052,1053-1054,1055-1056,1057-1058,1059-1060,1061-1062,1063-1064,1065-1066,1067-1068,1069-1070,1071-1072,1073-1074,1075-1076,1077-1078,1079-1080,1081-1082,1083-1084,1085-1086,1087-1088,1089-1090,1091-1092,1093-1094,1095-1096,1097-1098,1099-1100,1101-1102,1103-1104,1105-1106,1107-1108,1109-1110,1111-1112,1113-1114,1115-1116,1117-1118,1119-1120,1121-1122,1123-1124,1125-1126,1127-1128,1129-1130,1131-1132,1133-1134,1135-1136,1137-1138,1139-1140,1141-1142,1143-1144,1145-1146,1147-1148,1149-1150,1151-1152,1153-1154,1155-1156,1157-1158,1159-1160,1161-1162,1163-1164,1165-1166,1167-1168,1169-1170,1171-1172,1173-1174,1175-1176,1177-1178,1179-1180,1181-1182,1183-1184,1185-1186,1187-1188,1189-1190,1191-1192,1193-1194,1195-1196,1197-1198,1199-1200,1201-1202,1203-1204,1205-1206,1207-1208,1209-1210,1211-1212,1213-1214,1215-1216,1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dvisc	0.0001633	Pa×s	606.80	Joback Method
dvisc	0.0000909	Pa×s	675.39	Joback Method
dvisc	0.0000564	Pa×s	743.98	Joback Method
dvisc	0.0000379	Pa×s	812.58	Joback Method
dvisc	0.0000271	Pa×s	881.17	Joback Method
dvisc	0.0000203	Pa×s	949.76	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U359533&Units=SI

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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