Biomarker Focus

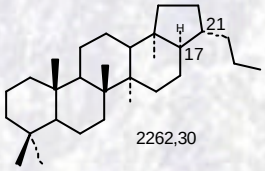
NEW 30-NORHOPANES

Pentacyclic triterpanes of the hopane type are ubiquitious constituents of sedimentary organic matter. Crude oils and mature sediments usually contain a predominance of hopanes with 17a(H),21ß(H) skeletal configurations (Seifert et.al.[1]).

A related but less common group of hopanes with n-alkane side chain (the 30-nor series) is also widely distributed and has been reported by Seifert et al.,[2] Moldowan et al.[3] and Subroto et al. (1991)[4].

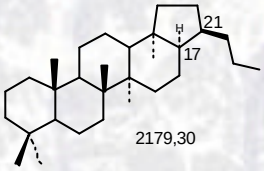
We now offer 17a(H),21ß(H)-30-nor-29-methylhopane (Cat No. 2262,30), and 17a(H),21a(H)-30-nor-29-methylhopane (Cat.No 2179,30). The first elutes just after the most abundant C30-hopane, the 17a(H),21ß(H)-hopane (Cat. No 0132,30) and the latter between 17a(H),21ß(H)-hopane and gammacerane (soon available).

These two new 30-norhopanes are in addition to the already available C29 30-norhopanes 17a(H),21ß(H)-30-norhopane (1321,29), 17ß(H),21a(H)-30-norhopane (0614,29) and 17a(H),21a(H)-30-norhopane (1367,29).



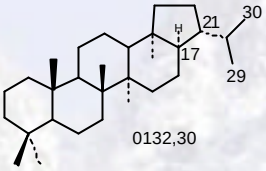
2262,30

New product
17a(H),21ß(H)-30-Nor-29-methylhopane



2179,30

New product
17a(H),21a(H)-30-Nor-29-methylhopane



0132,30

17a(H),21ß(H)-Hopane

Chiron offers

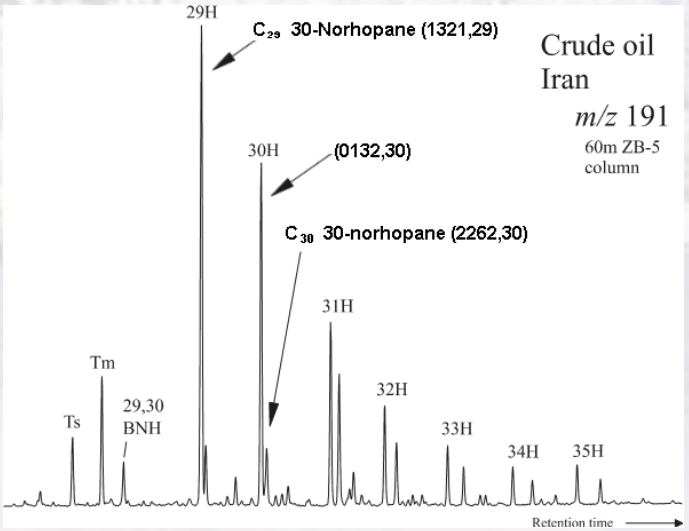
Special offer until mid-April

Please inquire !

0615,27	22,29,30-Trisnor-17a(H)-hopane (Tm)	100 µg/mL in Isooctane
0614,29	17b(H),21a(H)-30-Norhopane (isoadiantane)	100 µg/mL in Isooctane
1321,29	17a(H),21b(H)-30-Norhopane	50 µg/mL in Isooctane
1367,29	17a(H),21a(H)-30-Norhopane	50 µg/mL in Isooctane
0613,30	17b(H),21b(H)-Hopane (hopane)	100 µg/mL in Isooctane
0612,30	17b(H),21a(H)-Hopane (moretane)	100 µg/mL in Isooctane
0132,30	17a(H),21b(H)-Hopane	100 µg/mL in Isooctane
2179,30	17a(H),21a (H)-30-Nor-29-methylhopane	50 µg/mL in Isooctane
2262,30	17a(H),21ß(H)-30-Nor-29-methylhopane	50 µg/mL in Isooctane
1339,31	17a(H),21b(H)-22R-Homohopane	50 µg/mL in Isooctane
1338,31	17a(H),21b(H)-22S-Homohopane	50 µg/mL in Isooctane
0688,11	Hopane kit (11 compounds)	

SOON AVAILABLE: Gammacerane and C32 Homohopanes

Supplementary



Literature

W.K.Seifert and J.M. Moldowan in A.G. Douglas and J.R. Maxwell (eds). *Advances in Organic Geochemsitry* Pergamon, Oxford, pp. 229-237 (1979)

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J.M. Moldowan, C.Y. Lee, P. Sandararaman, T. Salvatori, A. Alajbeg, B. Gjukic and G.J. Demaison, *American Chem.Soc., Preprints* 34, pp. 112-121 (1989)

E.A.Subroto, R. Alexander and R.I. Kagi, *Chemical Geology* 93, pp. 179-192 (1991)

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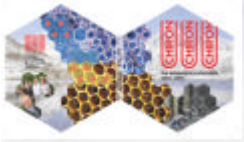

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Next focus in Biomarker Information: Ethoxylated Alkyl Phenols