

Title (en)
HALOGEN COMPOUNDS

Title (de)
HALOGENVERBINDUNGEN

Title (fr)
COMPOSES HALOGENE

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Application
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Abstract (en)
[origin: DE19922934A1] 5,5-Dihalo- or 4,5,5-trihalo-4-pentenoic acid derivatives (I) are new. Also new are halogenated pentenoic or pentanoic acid derivative intermediates (II) and (III). Halogenated pentenoic acid derivatives of formula (I) are new. R1 = aryl or heteroaryl (both optionally substituted); R2 = H; alkyl (optionally substituted by halo, alkoxy or aryloxy); or aryl or heteroaryl (both optionally substituted by halo, alkyl, alkoxy, CF3, OCF3 or NO2); X1, X2 = F, Cl or Br; X3 = H, F, Cl or Br; Y = optionally substituted N-bonded heteroaryl; or -E-A-R4; E = O, S, NH, N(R3), -NH-O- or -N(R3)-O-; R3 = alkyl; A = a direct bond or alkanediyl (optionally interrupted by O, S or N) and R4 = H; or aryl or heteroaryl (both optionally substituted). Independent claims are included for: (i) new carboxylic acid derivative intermediates of formula (II) and (III); and (ii) methods for preparing (I)-(III) and substituted olefin intermediates of formula (V). Q = halo, OH or OR5, provided that X3 = halo if Q = OR5; R5 = alkyl; X4, X5 = halo and Z' = a group which can be eliminated under acid conditions to give a carbonium ion.

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