

ABSTRACT

NANOEMULSIONS HAVING REVERSIBLE CONTINUOUS AND DISPERSED PHASES

A nanoemulsion having reversible continuous and dispersed phases. The nanoemulsion includes an aqueous phase and an oil phase, a weight ratio of the aqueous phase to the oil phase being 1:40 - 100:1. In the nanoemulsion, the aqueous phase is dispersed as nanosized droplets in the oil phase or the oil phase is dispersed as nanosized droplets in the aqueous phase. The aqueous phase contains water or a water solution and a water-soluble organic nanostructure stabilizer. The oil phase contains an oil or an oil solution, an organic gel thickener, and a hydrophilic surfactant having a HLB value greater than 8.0. Also disclosed is a method for preparing the above-described nanoemulsion.

Figure for publication: None