ABSTRACT

Starting, for example, from 1-fluoro-2-fluoromethyl-3-butyn-2-yl 4-trifluoromethylphenyl ether, N-(2-cyanoethyl)-5-fluoro-4-fluoromethyl-4-(4-trifluoromethylphenoxy)-2-pentynamide is produced and then cyclized to synthesize 2,2-bis(fluoromethyl)-N-(2-cyanoethyl)-6-trifluoromethyl-2H-1-benzopyran-4-carboxamide. The invention processes for producing 4-substituted benzopyran derivatives involve fewer steps, feature greater safety and allow for easier purification than the prior art processes.