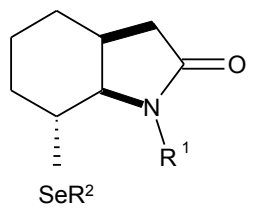


Method for preparing 1-substituted 7-(organoselenenyl)octahydro-2H-indol-2-ones of the general formula:



where $R^1 = \text{OPr-i}, \text{O}(\text{CH}_2)_2\text{OMe}, \text{OCH}_2\text{Ph}, \text{OPh}, \text{O}(3\text{-CNC}_6\text{H}_4),$
 $\text{O}(4\text{-NO}_2\text{C}_6\text{H}_4), \text{SO}_2(2\text{-MeC}_6\text{H}_3);$
 $R^2 = \text{Ph}, \text{PhCH}_2.$

Wherein, 2-(cyclohex-2-en-1-yl)acetic acid amides are reacted with diorganoselenides in 99% formic acid while being stirred and irradiated with an LED lamp having a wavelength of 455 nm at 30 °C for 16–32 hours, followed by the isolation of the target 1-substituted 7-(organoselenenyl)octahydro-2H-indol-2-ones.