

ERRATUM

R. DURAND and M.H.ZENK: Biosynthesis of plumbagin (5-hydroxy-2-methyl-1, 4 naphthoquinone) via the acetate pathway in higher plants.

Tetrahedron Letters No. 32, pp 3009 - 3012, 1971.

The table on p. 3012 had the figures for the last two rows transposed. The corrected table is as follows:

Degradation product	$\text{CH}_3\text{-}^{14}\text{CO}_2\text{H}$ as precursor theory found		$^{14}\text{CH}_3\text{-CO}_2\text{H}$ as precursor theory found	
	%	%	%	%
Plumbagin (=C-1 - C-11)	100.0	100.0	100.0	100.0
C-2 (Kuhn - Roth)	20.0	18.2	0.0	0.1
C-3 (by difference)	0.0	0.2	16.7	17.0
C-11 (Kuhn - Roth)	0.0	1.1	16.7	14.8
3-Hydroxyphthalic acid (=C-1,4,5,6,7,8,9,10)	80.0	80.5	66.7	68.1
CO ₂ ex 3-Hydroxyphthalic acid (=C-4)	20.0	14.7	0.0	0.7
m-Hydroxybenzoic acid (=C-1,5,6,7,8,9,10)	60.0	65.7	66.7	62.3
CO ₂ ex m-Hydroxybenzoic acid (=C-1)	0.0	0.0	16.7	17.3
Picric acid (=C-5,6,7,8,9,10)	60.0	60.0	50.0	46.6
CO ₂ ex Picric acid (=C-5,7,9)	60.0	51.3	0.0	4.1
$\text{CBr}_3\text{NO}_2\cdot\text{C}_6\text{H}_4\text{N}_4$ (=C-6,8,10)	0.0	0.0	50.0	41.5

Table 2. Distribution of radioactivity in chemical degradation products of plumbagin synthesized from acetate 1-¹⁴C and 2-¹⁴C in Plumbago europaea L.