>>**Variant: Ergochrome BD**

CAS Registry Number: 15140-37-1

Molecular Formula: $C_{32}H_{32}O_{15}$
Molecular Weight: 656.596
Accurate Mass: 656.174125
Percentage Composition: C 58.54%; H 4.91%; O 36.55%
Biological Source: Ergot pigment
Other Data: Acid → Ergochrome BC

>>**Variant: Ergochrome BE**
Synonym(s): Secalonic acid F

CAS Registry Number: 60687-07-2

Molecular Formula: $C_{32}H_{30}O_{14}$
Molecular Weight: 638.581
Accurate Mass: 638.16356
Percentage Composition: C 60.19%; H 4.74%; O 35.08%
Biological Source: Metab. of *Aspergillus aculeatus*
Physical Description: Yellow needles (C_6H_6/cyclohexane)
Melting Point: Mp 218-221° (hot stage). Mp 253-256° (evacuated tube)
Optical Rotation: $[\alpha]_D^{20}$+202 (c, 0.13 in Py)
Solubility: BERDY SOL: Sol. bases, $CHCl_3$; poorly sol. H_2O
UV: [neutral] λ_{max} 236 (ε 19250); 263 (ε 17300); 338 (ε 37000) (EtOH) (Berdy) [neutral] λ_{max} 240 (ε 16980); 265 (ε 16980); 338 (ε 36300) (dioxan) (Berdy)

>>**Variant: Ergochrome CC**
Synonym(s): Ergoflavin

CAS Registry Number: 3101-51-7

Molecular Formula: $C_{30}H_{26}O_{14}$
Molecular Weight: 610.527
Accurate Mass: 610.13226
Percentage Composition: C 59.02%; H 4.29%; O 36.69%
Biological Source: Ergot pigment
Physical Description: Yellow needles (MeOH or dioxan)
Melting Point: Mp 350 dec.°
Optical Rotation: $[\alpha]_D^{11}$+37.5 (c, 1.236 in Me_2CO). $[\alpha]_D^{20}$+105 (Py)
UV: [neutral] λ_{max} 240 (ε 21380); 260 (ε 20900); 381 (ε 7940) (MeOH) (Berdy)
Other Data: λ_{max} 240 (log ε 4.33), 260 (4.32) and 381 nm (3.90)

>>**Derivative:** Hexa-Ac

Physical Description: Prisms ($CHCl_3$/petrol)
Melting Point: Mp 248-249 dec.°
Optical Rotation: $[\alpha]_D$ +61.2 (c, 0.62 in dioxan)

>>**Variant: Ergochrome CD**

CAS Registry Number: 15589-95-4

Molecular Formula: $C_{31}H_{30}O_{15}$
Molecular Weight: 642.569
Accurate Mass: 642.158475
Percentage Composition: C 57.95%; H 4.71%; O 37.35%
Biological Source: Ergot pigment
Other Data: Acid → Ergochrome CC