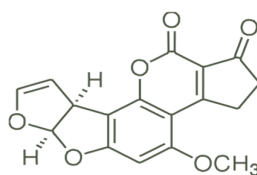
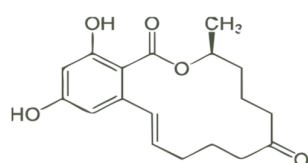


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Activity vs Ergot Alkaloids



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EROGOT ALKALOIDS

- **Ergot Alkaloids** are mainly produced by **Claviceps purpurea** mold
- **Ergot sclerotia** and **Ergot alkaloids** develop mainly in graminea plants:
 - Wheat
 - Barley
 - Rye



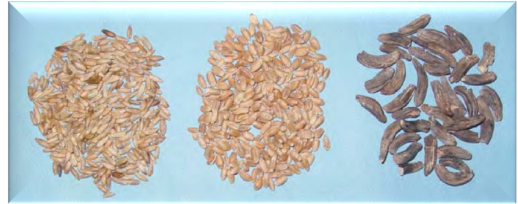
	R ₁	R ₂
Ergocormine	CH(CH ₃) ₂	CH(CH ₃) ₂
Ergocristine	CH(CH ₃) ₂	CH ₂ -C ₆ H ₅
Ergocriptine	CH(CH ₃) ₂	CH ₂ CH(CH ₃) ₂
Ergotamine	CH ₃	CH ₂ -C ₆ H ₅

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EROGOT ALKALOIDS – SYMPTOMS

- Gangrenous necrosis
- Agalactia
- Reproductive disorders
- Changes on internal organs:
 - Stomach mucosa edema
 - Intestine hyperemia
 - Enteritis
 - Hemorrhaging
- Necrotic areas in liver



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MINAZEL PLUS IN VITRO ADSORPTION

Results:

- HPLC analyses were performed
- Summary were presentaed in the table

Mycotoxin	Adsorption (%)
Aphlatxin B1	100%
Zearalenone	90%
Ochratoxin A	90%
Ergosine	98%
Ergotamine	99%
Ergocornine	94%
Ergocryptine	97%
Ergocristine	99%

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