

# MOLYBDENUM

**Michaela Králíková, MD**  
**Department of Biochemistry**  
**Faculty of Medicine**  
**Masaryk University**

# Importance

- **Xanthine oxidase**
- origin of uric acid
- (hypoxanthine  $\rightarrow$  xanthine  $\rightarrow$  uric acid)
  
- **Sulphite oxidase**
- $\text{HSO}_3^- \rightarrow \text{SO}_4^{2-}$

# Deficiency

- xanthinuria, hypourikemia
- clinically tachycardia, tachypnoea, emesis, coma