

The present invention relates to inorganic scintillation materials and can be used in producing slow neutron detectors. The proposed scintillation material contains lithium metaphosphate and bismuth compound as an activating additive. The molar contents of the said components of the material correspond to a specified ratio. The proposed method for producing the material consists in melting the raw material containing lithium metaphosphate and bismuth compound, forming the final product, and cooling the material so obtained to a room temperature. The ratio between the molar contents of lithium metaphosphate and bismuth compound is  $1:(3 \cdot 10^{-4} \div 2 \cdot 10^{-2})$ .