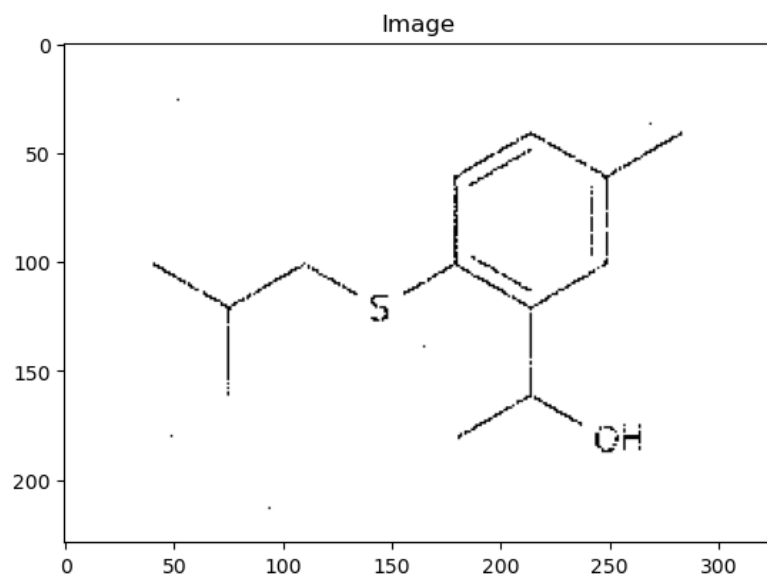


# Chemistr AI – Architecture (Target)

## Description

- The target is to predict the INCHI from the skeletal chemical formula



InChI=1S/C13H20OS/c1-9(2)8-15-13-6-5-10(3)7-12(13)11(4)14/h5-7,9,11,14H,8H2,1-4H3

The solution is composed of 3 parts and in the following order:

## Encoder

Transform  
the images  
into  
features

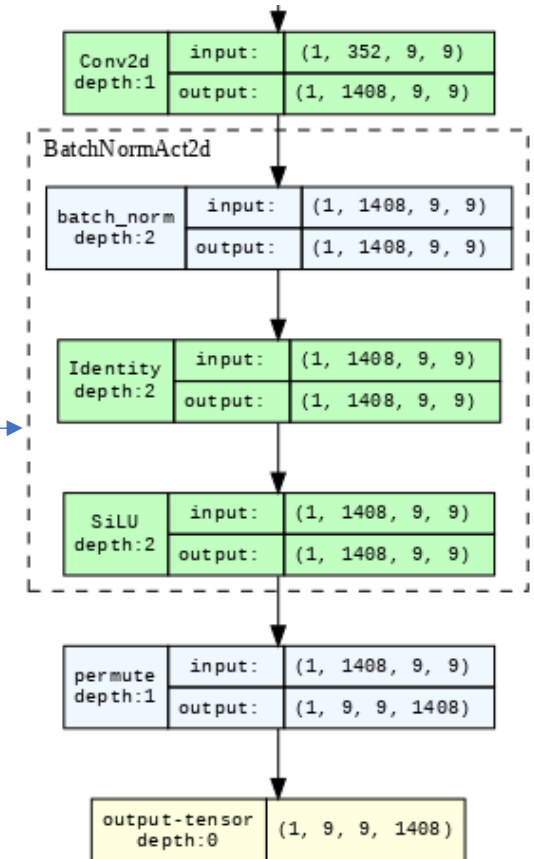
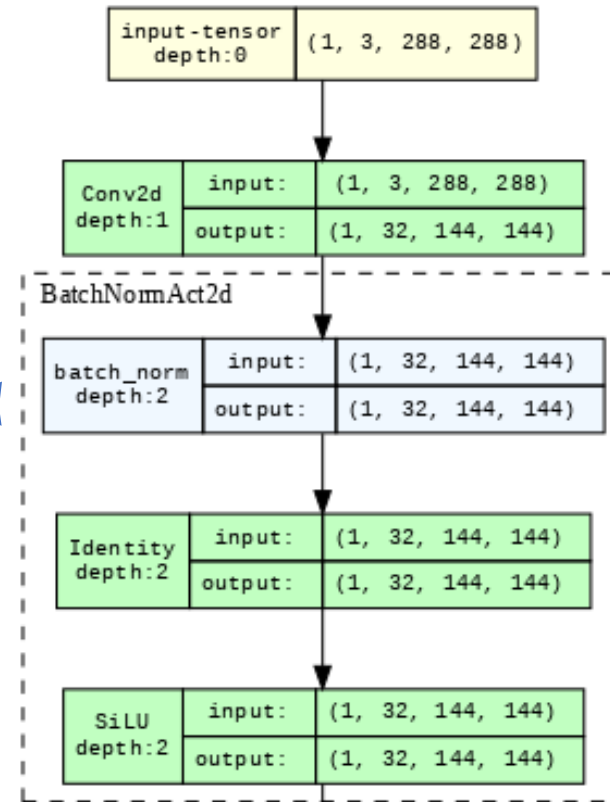
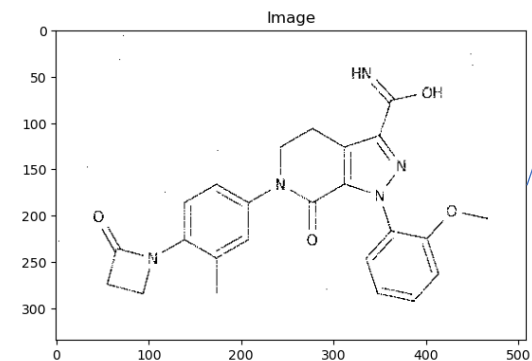
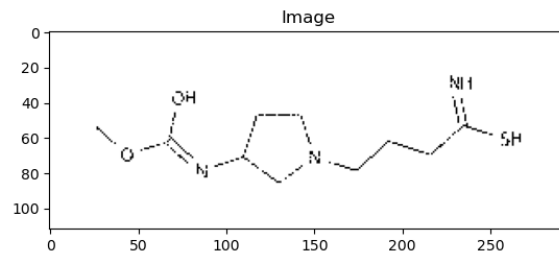
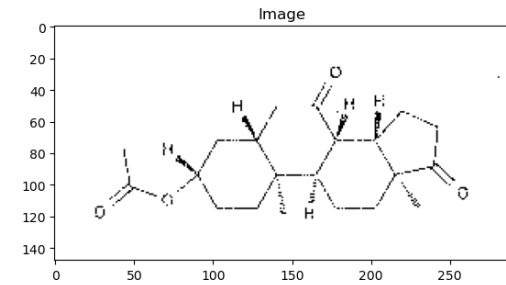
## Decoder

Transform  
the  
features to  
vectors

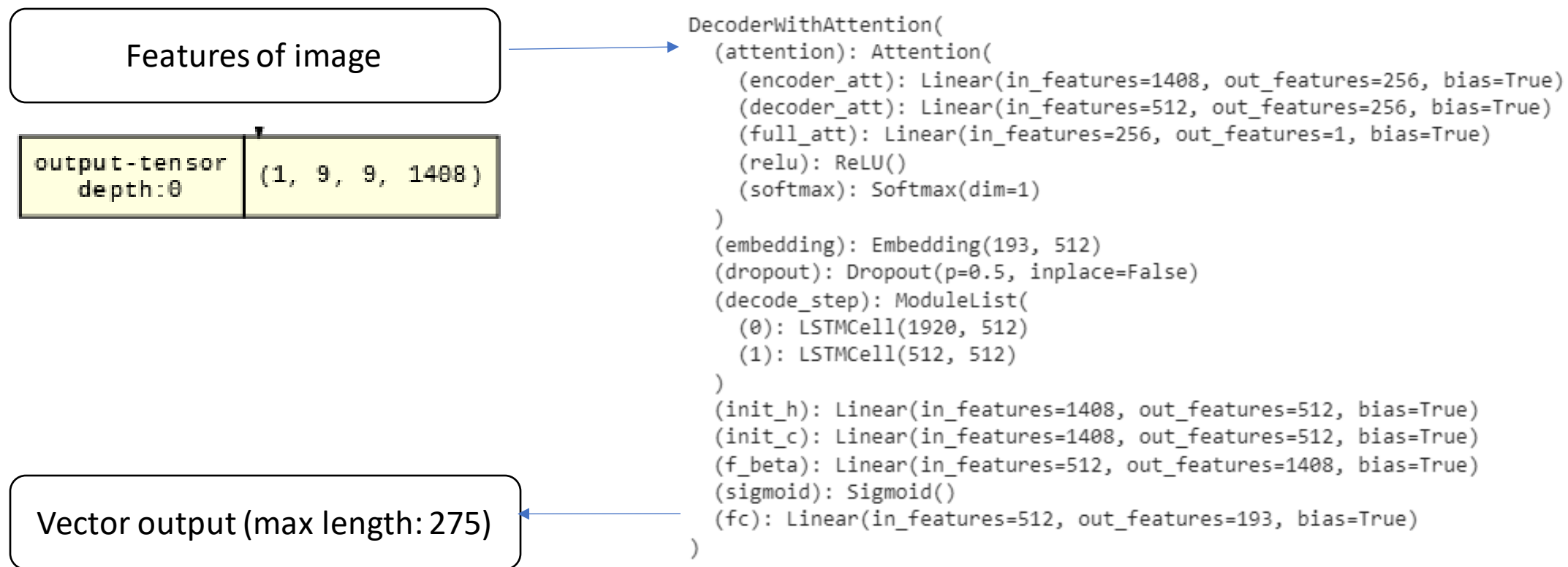
## Tokenizer

Transform  
the vectors  
to a  
sequence  
of text

## Chemistr AI – Architecture (Encoder)



# Chemistr AI – Architecture (Decoder)



# Chemistr AI – Architecture (Tokenizer)

Vector output  
(max length: 275)

Tokenizer  
Transform the  
vectors to a  
sequence of text

