

RESEARCH

Substructure-based Neural Machine Translation for Retrosynthetic Prediction

Umit V. Ucak¹, Taek Kang², Junsu Ko^{3*} and Juyong Lee^{1*}

*Correspondence:

junsuko@arontier.co;

juyong.lee@kangwon.ac.kr

³Arontier co., Seoul, South Korea

¹Division of Chemistry and Biochemistry, Department of Chemistry, Kangwon National University, Chuncheon, South Korea

Full list of author information is available at the end of the article

Abstract

Keywords: retrosynthesis planning; machine neural translation; seq-to-seq; attention

Additional Files as Figures.

Please find the supporting materials as **figures** within the "Additional Files" section of the BMC article.

Author details

¹Division of Chemistry and Biochemistry, Department of Chemistry, Kangwon National University, Chuncheon, South Korea. ²Center for Neuro-Medicine, Korea Institute of Science and Technology, Seoul, South Korea. ³Arontier co., Seoul, South Korea.

References**Additional Files****Additional File 4 : Figure S3**

File name : Supplementary Figure S3

Title of data : Fingerprint Dependency

File format : Standard Latex figure, formatted as PNG.

Description of data : Comparison of model accuracy using ECFP and MACCS.

