Title	Hygroscopicity and dissolution of thiamine disulfide-higher fatty acids complexes
Sub Title	
Author	上田, 文雄(Ueda, Fumio) 東, 正(Higashi, Tadashi) 鮎川, 好一(Ayukawa, Yoshikazu) 藤江, 忠雄(Fujie, Tadao) 横山, 祥子(Yokoyama, Shoko)
Publisher	共立薬科大学
Publication year	1989
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.34 (1989.) ,p.92- 92
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000034-0092

No. 34 (1989)

Hygroscopicity and Dissolution of Thiamine Disulfide-Higher Fatty Acids Complexes*

Fumio UEDA**, Tadashi HIGASHI**, Yoshikazu AYUKAWA**
Tadao FUJIE and Shoko YOKOYAMA

上田文雄**, 東　正**, 鮎川好一**, 藤江忠雄, 横山祥子

The hygroscopicity of the complexes composed of thiamine disulfide (TDS) and higher fatty acids and the dissolution of TDS from the complexes were studied. The hygroscopicity of TDS was reduced dramatically by the formation of the (fatty acid)$_6$ (TDS) complexes. Regarding the dissolution of TDS from the complexes, plots of T_{50} or T_{80} (the time required for 50% or 80% of TDS to dissolve, respectively) against the carbon numbers of the constituent fatty acids showed a zig-zag pattern, and C 17 fatty acid gave the longest T_{50} and T_{80}.

* 本報告は *Chem. Pharm. Bull.*, **37** (9), 2545—2546 (1989) に発表.
** 河合製薬株式会社研究所