Dutrowite  \( \text{Na(Fe}^{2+2.5}\text{Ti}_{0.5}\text{)Al}_6(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_3\text{O}) \)

Crystal Data: Hexagonal.  *Point Group: 3m.*

Physical Properties: *Cleavage: Tenacity: Fracture:
Hardness =  \(D(\text{meas.}) = D(\text{calc.}) = \)

Optical Properties: *Color: Streak: Luster: Optical Class:*

Cell Data: *Space Group: \text{R}3\text{m}.  \text{a} = 15.9864(8)  \text{c} = 7.2187(4)*

X-Ray Diffraction Pattern: Fornovolasco, Fabbriche di Vergemoli (LU), Apuan Alps, Tuscany, Italy.
2.585 (100), 2.971 (61), 4.00 (60), 4.24 (52), 6.40 (42), 2.048 (41), 1.925 (24), 4.61 (18)

Chemistry:

Polymorphism & Series:

Mineral Group: Tourmaline supergroup.

Occurrence:

Association:

Distribution From the Fornovolasco meta-ryolite formation, close to the Boscaccio locality, Fornovolasco, Fabbriche di Vergemoli (LU), Apuan Alps, Tuscany, Italy.

Name:

Type Material: Natural History Museum, Pisa, Italy (19890).